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1985 Accident Facts

Iowa Department
of Transportation

Foreward

The format of the vehicle pages in the 1985 report emphasizes the number of **accidents** by vehicle type.

The 1985 summary again includes alcohol-related accident information (including trends, time of day, day of week, and detailed statistics on the driver, vehicle and environment for alcohol-related accidents); collisions by vehicle type; and accident information for each county by road system. In addition, the individual vehicle pages include safety belt usage information developed from the accident data.

Several items should be noted. Accident information concerning the Driver, Machine and Environment for each vehicle type is contained on facing pages. Percentages are based on known information; unknown cases are also noted.

Starting in 1979, Iowa fatality figures include all persons who died as a result of a traffic accident on public roads within 30 days of the accident. Previous traffic fatality figures included all persons who died within one year of the accident. The change was made to conform to nationwide standards for reporting highway fatalities.

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Acknowledgement

The Iowa Department of Transportation wishes to express appreciation to all law enforcement agencies and officers for their work in accident investigation which made this report possible. All information concerning Iowa traffic accidents was taken from report forms provided by investigating officers and drivers involved in accidents.

We hope this information will be of value in analyzing the causes of traffic accidents in Iowa, and that it emphasizes the need for concerned, well-prepared drivers and a safe driving environment.

Prepared by
Driver Safety & Improvement Section
Office of Driver Services

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Glossary

Traffic accident: Iowa law requires motorists to report any accident which involves one or more vehicles and results in death, personal injury or property damage of at least $500. The information in this report, however, is based only on those accidents which occurred on public roads.

Fatal accident: Accident in which one or more persons are killed.

Personal injury accident: Accident in which no one is killed, but one or more persons are injured.

Property damage accident: Accident in which no one is killed or injured, but there is property damage of $500 or more.

Fatality: Person killed as a result of a traffic accident.

Alcohol-related: An accident where either a driver, bicyclist or pedestrian is listed on the motor vehicle accident report as drinking prior to the accident.

Vehicle miles: Iowa vehicle-mile figures are the estimated total number of miles traveled on Iowa primary and secondary highways, urban and rural roads, and streets by all vehicles during a given period.

Fatality rate: Number of fatalities per 100 million vehicle miles.

Accident rate: Number of accidents per 100 million vehicle miles, unless otherwise stated.

Occupant restraint: Safety belt, child safety seat or passive restraints.

1985: A look at Iowa

Accidents by month		Fatal Accidents by month	Fatalities
63,624		415	473
7,547	Dec.	22	24
7,141	Nov.	36	40
5,412	Oct.	29	33
4,459	Sept.	35	43
4,880	Aug.	42	52
4,801	July	62	68
4,987	June	41	44
5,147	May	37	42
4,349	April	38	42
4,115	March	20	20
4,996	Feb.	27	30
5,790	Jan.	26	35

In Iowa there was...

1 accident every 8.3 minutes

1 driver out of 26 involved in an accident

1.3 lives lost per day because of traffic accidents. (A total of 473 lives were lost in 1985.)

73.9 persons injured per day because of traffic accidents. (A total of 26,988 persons were injured in 1985.)

In Iowa, motor vehicle accidents increased 1.3 percent in 1985 from the 62,818 accidents recorded in 1984. Fatalities increased 12.6 percent in 1985 from 420 fatalities reported in 1984.

Nationally there were:

39,168 fatal accidents

43,795 fatalities

Fatalities decreased 1.0 percent in 1985 from the 44,257 fatalities reported in 1984.

SUMMARY

Iowa Trends 1970-1985

Year	All Acc.	Fatalities	Persons Injured	Fatal Acc.	Injury Acc.	Vehicle Miles (Million)	Fatality[2] Rate	Fatal[2] Acc. Rate	All[2] Acc. Rate	Licensed Drivers	Motor Vehicle Registrations
1970	87,808	912	33,101	752	22,339	16,053	5.68	4.68	547.0	1,678,262	1,839,530
1971	87,100	828	31,599	681	21,411	16,582	4.99	4.11	525.3	1,704,137	1,916,850
1972	91,918	875	35,484	722	23,814	17,127	5.11	4.22	536.7	1,752,595	2,012,245
1973	96,620	813	35,059	682	24,683	17,691	4.60	3.86	546.2	1,787,169	2,095,330
1974	91,117	685	31,741	583	22,851	17,250	3.97	3.38	528.2	1,846,870	2,178,530
1975	94,825	674	32,802	578	23,082	17,853	3.78	3.24	531.1	1,865,754	2,250,417
1976[1]	98,000	785	34,096	663	24,218	18,441	4.26	3.60	531.4	1,959,150	2,300,721
1977	87,771	640	32,289	561	22,358	19,028	3.36	2.95	461.3	2,085,647	2,356,327
1978	91,213	650	31,631	563	21,651	19,467	3.34	2.89	468.6	2,398,656	2,474,790[3]
1979	86,969	655[4]	29,972	566[4]	20,727	18,959	3.45	2.99	458.7	2,419,501	2,540,547[3]
1980	77,800	626[4]	29,100	541[4]	20,280	18,305	3.42	2.96	425.0	2,408,793	2,554,379[3]
1981	68,263	612[4]	28,776	529[4]	19,945	18,715	3.27	2.83	364.8	2,472,614	2,592,604[3]
1982	61,549	480[4]	25,905	431[4]	17,933	18,194	2.64	2.37	338.3	1,977,911[5]	2,577,994[3]
1983	61,100	510[4]	26,050	434[4]	18,049	19,712	2.59	2.20	310.4	1,998,982	2,542,267[3]
1984	62,818	420[4]	27,868	376[4]	19,378	21,407	1.96	1.76	293.4	2,000,085	2,655,529[3]
1985	63,624	473[4]	26,988	415[4]	18,752	20,707	2.28	2.00	307.3	1,970,272	2,761,016[3]

1 All accident figures for 1976 are estimated except for figures on fatal accidents.
2 Per 100 million vehicle miles traveled.
3 Revised by DOT Office of Driver Services to exclude trailers, travel trailers and trucks licensed to operate in more than one state. Vehicles registered to Iowa non-residents are included if they are registered to a specific county.
4 Beginning with 1979, figures for fatalities and fatal accidents are based on persons who died within 30 days of the traffic accident. Previous years' totals included persons who died within one year of the accident.
5 Drop in number of licensed drivers is due to more accurate method of computation.

SUMMARY

National Trends 1970-1985

Year	All[1] Acc.	Fatalities	Persons[2] Injured	Fatal Acc.	Vehicle[3] Miles (Billion)	Fatality[4] Rate	Fatal[4] Acc. Rate	All[4 5] Acc. Rate	Licensed[3 6] Drivers	Motor Vehicle[3 6] Registrations
1970	16,400,000	52,627	2,961,000	NA	1,110	4.74	NA	1,477.5	111,542,787	111,242,295
1971	17,000,000	52,542	4,044,000	NA	1,179	4.46	NA	1,441.9	114,425,900	116,330,037
1972	16,600,000	54,589	3,761,000	NA	1,260	4.33	NA	1,317.5	118,414,474	122,556,550
1973	15,600,000	54,052	2,960,000	NA	1,313	4.12	NA	1,188.1	121,545,736	130,024,945
1974	15,600,000	45,196	4,075,000	NA	1,281	3.53	NA	1,217.8	125,426,582	134,899,955
1975	16,500,000	44,525	4,225,000	39,161	1,328	3.35	2.95	1,242.5	129,790,666	137,912,779
1976	16,800,000	45,523	4,107,000	39,747	1,402	3.25	2.84	1,198.3	134,035,641	143,476,236
1977	17,600,000	47,878	4,392,000	42,210	1,467	3.26	2.88	1,199.7	138,120,893	146,973,718
1978	18,300,000	50,331	3,827,000	44,433	1,545	3.26	2.88	1,184.5	140,843,907	153,282,476
1979	18,100,000	51,093	4,248,000	45,223	1,529	3.34	2.96	1,184.4	143,283,995	157,291,431
1980	17,900,000	51,091	3,694,000	45,284	1,528	3.34	2.96[5]	1,171.5	145,295,036	161,490,159
1981	18,000,000	49,301	5,019,000	44,000	1,550	3.18	2.84	1,153.8	147,075,169	164,287,643
1982	18,100,000[7]	43,945	NA	39,092	1,592	2.76	2.46	1,136.9	150,309,519	165,203,000
1983	18,300,000	42,589	NA	37,976	1,658[5]	2.57	2.29	1,103.7	154,221,003	169,395,000
1984	18,800,000	44,257[5]	NA	39,631[5]	1,717[7]	2.58[5]	2.31[5]	1,094.9	155,391,000[7]	171,932,148[7]
1985	NA	43,795[7 8]	NA	39,168[7 8]	1,765[7]	2.48[7]	2.22[7]	NA	158,224,000[7]	175,709,000[7]

Figures obtained from U.S. Department of Transportation, National Highway Traffic Safety Administration, unless otherwise noted. All rates calculated by the Office of Driver Services.

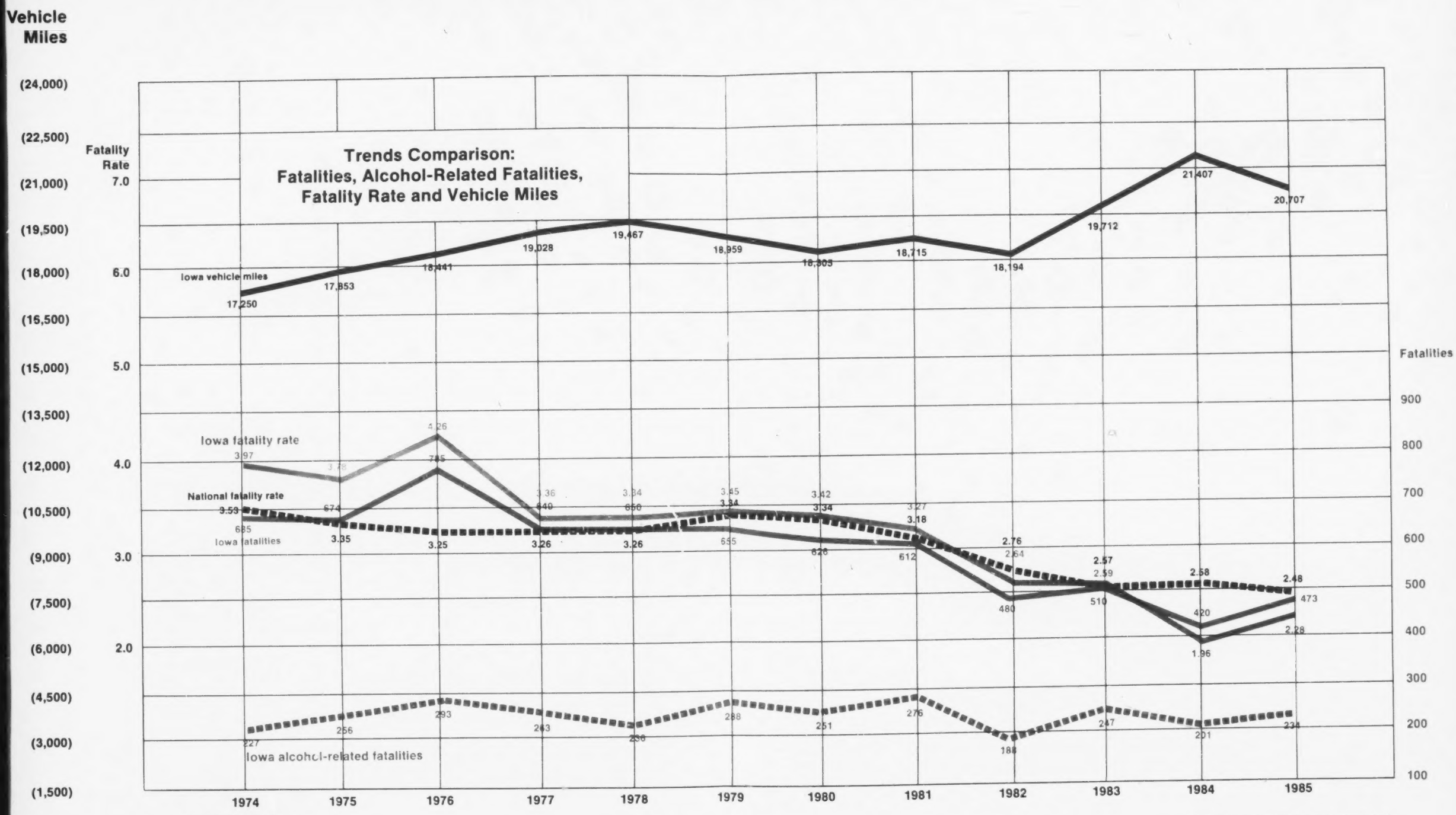
1 Figures from National Safety Council.
2 National Health Interview System, National Center for Health Statistics.
3 Federal Highway Administration, Highway Statistical Division.
4 Per 100 million vehicle miles traveled.
5 Updated/revised.
6 Estimated.
7 Preliminary.
8 Counting only fatalities who died within 30 days after date of accident.

SUMMARY

Vehicle Miles/ Fatalities

ies

Trends Comparison: Fatalities, Alcohol-Related Fatalities, Fatality Rate and Vehicle Miles

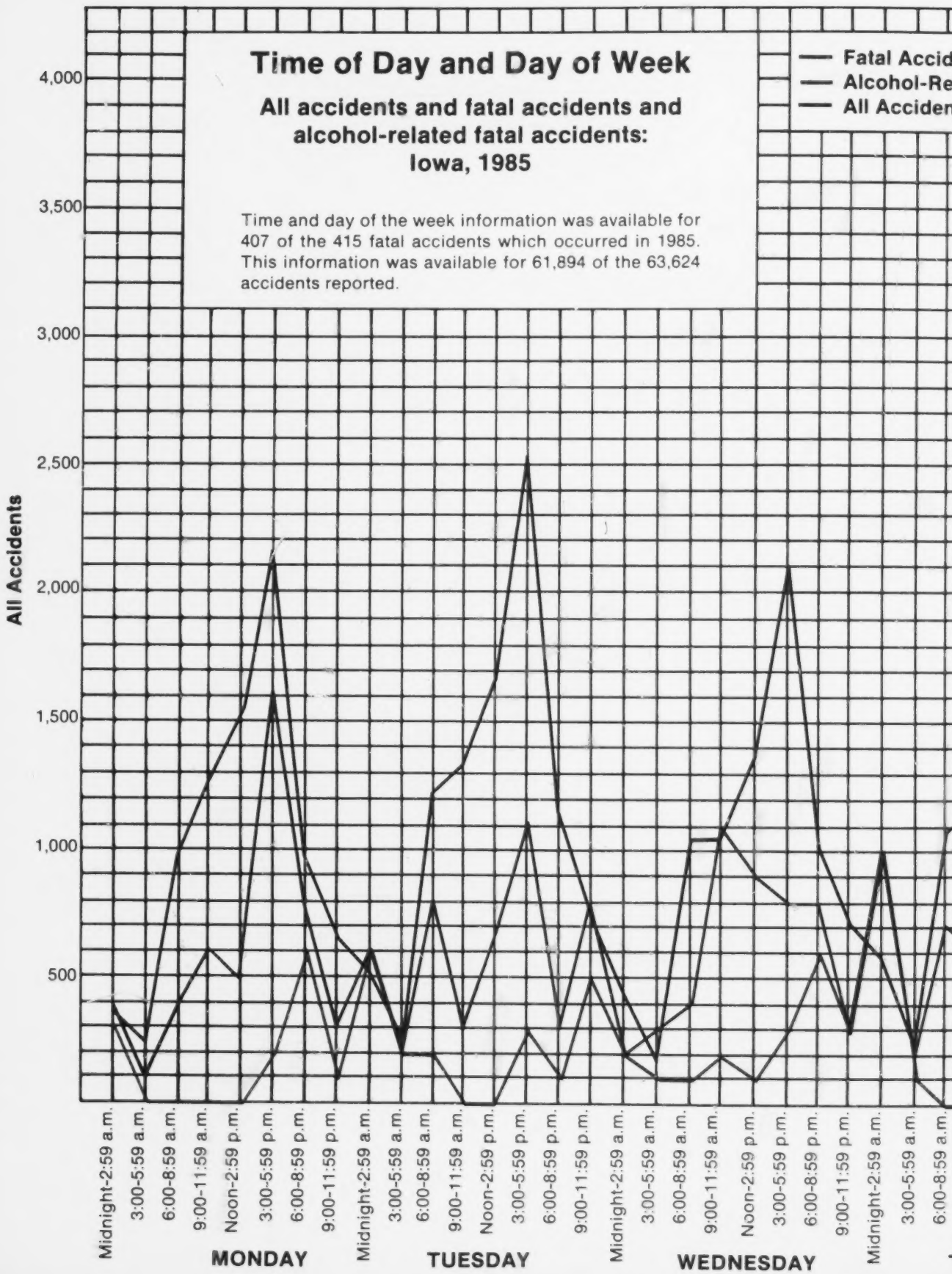


- **Vehicle miles**
- Iowa fatalities
- Iowa fatality rate
- **National fatality rate**
- Iowa alcohol-related fatalities

Note: Alcohol-related means officer indicated driver, operator or pedestrian had been drinking.

SUMMARY

Time: Fatal/All Accidents


Time of Day and Day of Week
All accidents and fatal accidents and alcohol-related fatal accidents: Iowa, 1985
Time and day of the week information was available for 407 of the 415 fatal accidents which occurred in 1985. This information was available for 61,894 of the 63,624 accidents reported.
Fatal Accid
Alcohol-Re
All Acciden
All Accidents
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
Midnight-2:59 a.m.
3:00-5:59 a.m.
6:00-8:59 a.m.
9:00-11:59 a.m.
Noon-2:59 p.m.
3:00-5:59 p.m.
6:00-8:59 p.m.
9:00-11:59 p.m.
MONDAY
TUESDAY
WEDNESDAY

nts
ted Fatal Accidents
s
43
42
41
40
39
38
37
36
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32
31
30
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28
27
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22
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19
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17
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11
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9
8
7
6
5
4
3
2
1
Fatal accidents
9:00-11:59 a.m.
Noon-2:59 p.m.
3:00-5:59 p.m.
6:00-8:59 p.m.
9:00-11:59 p.m.
Midnight-2:59 a.m.
3:00-5:59 a.m.
6:00-8:59 a.m.
9:00-11:59 a.m.
Noon-2:59 p.m.
3:00-5:59 p.m.
6:00-8:59 p.m.
9:00-11:59 p.m.
Midnight-2:59 a.m.
3:00-5:59 a.m.
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Noon-2:59 p.m.
3:00-5:59 p.m.
6:00-8:59 p.m.
9:00-11:59 p.m.
Midnight-2:59 a.m.
3:00-5:59 a.m.
6:00-8:59 a.m.
9:00-11:59 a.m.
Noon-2:59 p.m.
3:00-5:59 p.m.
6:00-8:59 p.m.
9:00-11:59 p.m.
HURSDAY
FRIDAY
SATURDAY
SUNDAY

SUMMARY

Drivers/Fatalities
Age/Sex

Age	Licensed Drivers*	Drivers Involved in Accidents	Drivers Involved in Fatal Acc.	Acc. Rate**†	Fatal Acc. Rate**†	Persons Killed***
15 & younger	48,355	974	4	201.4	.8	26
16	48,792	4,220	16	864.9	3.3	17
17	35,990	4,653	22	1,292.9	6.1	16
18	36,613	4,792	24	1,308.8	6.6	28
19	37,549	4,265	20	1,135.8	5.3	18
20	40,078	3,958	26	987.6	6.5	26
21	44,181	3,795	46	859.0	10.4	36
22	41,966	3,487	19	830.9	4.5	14
23	42,192	3,314	19	785.5	4.5	10
24	43,549	3,068	18	704.5	4.1	15
25-34	441,607	24,033	147	544.2	3.3	84
35-44	339,249	14,119	95	416.2	2.8	48
45-54	245,347	8,589	60	350.1	2.4	27
55-64	242,776	7,368	56	303.5	2.3	47
65-74	187,972	5,045	36	268.4	1.9	31
75 & older	94,056	3,282	26	348.9	2.8	30
Total (age known)	1,970,272	98,962	634			473
Age unknown		7,049	4			
GRAND TOTAL	1,970,272	106,011	638	538.1	3.2	473

Sex	Licensed Drivers*	Drivers Involved in Accidents	Drivers Involved in Fatal Acc.	Acc. Rate**†	Fatal Acc. Rate**†	Persons Killed
Male	968,829	66,520	504	686.6	5.2	343
Female	1,001,443	36,136	131	360.8	1.3	130
Total (sex known)	1,970,272	102,656	635			473
Sex unknown		3,355	3			
GRAND TOTAL	1,970,272	106,011	638	538.1	3.2	473

* Includes instruction permits and school permits (permits to drive to and from school)

** Accidents/fatal accidents per 10,000 licensed drivers

*** Of persons killed, 4 were age 4 or under, 7 were age 5-9, and 11 were age 10-14.

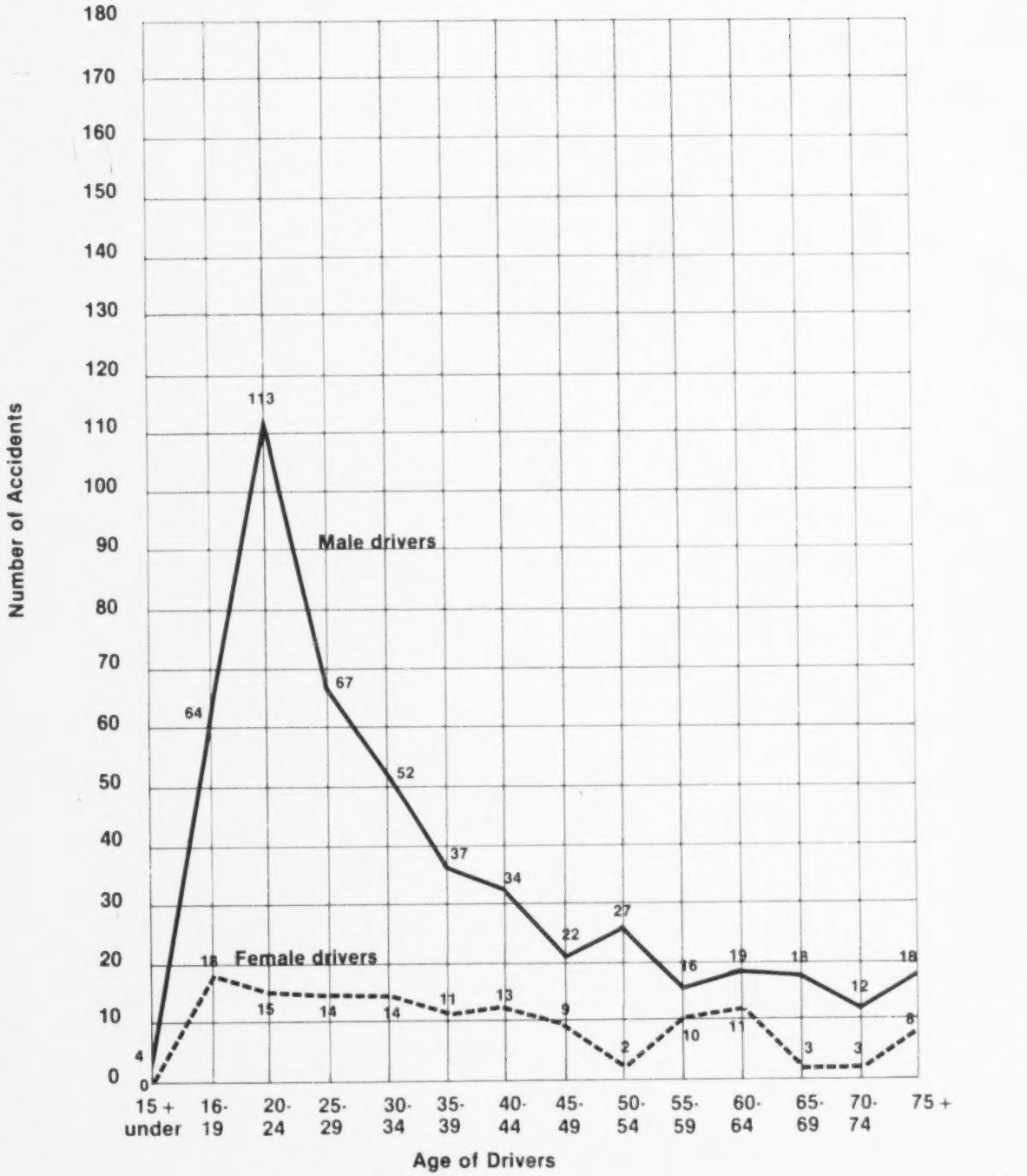
† Accident rates can be converted to percentage figures by moving the decimal two spaces to the left. For example -- for age 17 the accident rate is 1,292.9 per 10,000 licensed drivers. As a percentage, per 100 licensed drivers, the accident rate is 12.93. This means 13 percent of all 17-year-olds licensed in Iowa were involved in accidents during 1985.

SUMMARY

Driver: Age/Sex

1985 Fatal Accidents

Drivers:		
— Male	504	79.0%
- - - Female	131	20.5%
Sex unknown	3	0.5%
Total	638	100.0%



Total:	4	82	128	81	66	48	47	31	29	26	30	21	15	26	= 638

SUMMARY

Drinking/Driving

Age of Drinking Drivers Involved in Accidents

During 1985, 48.7 percent of the fatal accidents and 49.5 percent of the fatalities were alcohol-related. Alcohol involvement is more apt to occur, and more likely to be reported, in fatal accidents than in non-fatal accidents.

In Iowa during 1985, drivers involved in fatal accidents were not required by law to submit to an alcohol test. Testing for alcohol in both fatal and all accidents was based on "probable cause," as determined by the investigating officer. Care should be used in comparing the yearly percentages of alcohol-related fatal accidents due to fluctuations in the number of reports received.

Iowa alcohol-related accident figures should not be compared to states where an alcohol test is mandatory.

Driver Age	All Accidents		Fatal Accidents				Injury Accidents		Property Damage Accidents	
	No. of Drivers	%	No. of Drivers	%	Persons* Killed	%	No. of Drivers	%	No. of Drivers	%
15 & younger	14	0.3	0	--	0	--	8	0.4	6	0.3
16	94	2.3	5	2.5	8	3.3	42	2.0	47	2.5
17	163	3.9	11	5.5	17	7.1	92	4.5	60	3.2
18	252	6.1	8	4.0	8	3.3	136	6.6	108	5.7
19	295	7.1	7	3.5	7	2.9	140	6.8	148	7.8
20	299	7.2	15	7.5	18	7.5	146	7.1	138	7.3
21	279	6.7	25	12.4	32	13.3	148	7.2	106	5.6
22	239	5.8	10	5.0	13	5.4	112	5.4	117	6.2
23	207	5.0	9	4.5	10	4.2	102	5.0	96	5.1
24	191	4.6	10	5.0	11	4.6	93	4.5	88	4.6
25-34	1,207	29.1	55	27.4	59	24.6	619	30.0	533	28.2
35-44	474	11.4	24	11.9	26	10.8	230	11.2	220	11.6
45-54	202	4.9	8	4.0	12	5.0	94	4.6	100	5.3
55-64	126	3.0	8	4.0	10	4.2	61	3.0	57	3.0
65-74	65	1.6	4	2.0	6	2.5	23	1.1	38	2.0
75 & older	15	0.4	1	0.5	1	0.4	3	0.1	11	0.6
Not stated	32	0.8	1	0.5	2	0.8	11	0.5	20	1.1
Total no. of drivers	4,154		201		240		2,060		1,893	

* Figure includes all persons killed in accidents involving a drinking driver of the given age.

NOTE: The figures do not add up to the total of 234 persons killed in alcohol-related accidents in 1985. For instance, a person killed in an accident involving both a 17-year-old drinking driver and a 21-year-old drinking driver would be included in both age categories. A person killed in an accident involving two 19-year-old drinking drivers, however, would be listed only once.

SUMMARY

Holiday Fatalities 1962-1984

Holiday Traffic Fatalities Iowa, 1962-85

In 1985, for the holidays described in the table below, the average number of deaths per day was 2.0. The average number of deaths per day for weekends in 1985 was 1.9.

Note: Holiday periods include the number of full days shown in parentheses. Fatalities occurring from 6 p.m. to midnight on the previous day are also included. Regular weekend periods are from 6 p.m. Friday to midnight Sunday.

Beginning with 1981, the number of days included in a holiday period has been standardized as follows:

- 1 day if holiday falls on Wednesday
- 3 days if holiday falls on Friday through Monday
- 4 days if holiday falls on Tuesday or Thursday

Year	New Year's Day	Memorial Day	Fourth of July	Labor Day	Thanksgiving Day	Christmas Day
1962	3 (4)	2 (2)	-- (1)	5 (3)	No Record	11 (4)
1963	4 (1)	6 (4)	18 (4)	8 (3)	No Record	7 (1)
1964	3 (3)	4 (3)	7 (3)	15 (3)	No Record	13 (3)
1965	7 (3)	6 (3)	9 (3)	11 (3)	No Record	13 (3)
1966	6 (3)	11 (3)	7 (3)	27 (3)	No Record	6 (3)
1967	4 (3)	7 (4)	13 (4)	9 (3)	No Record	8 (3)
1968	1 (1)	11 (4)	16 (4)	18 (3)	10 (4)	5 (1)
1969	12 (4)	7 (3)	10 (3)	11 (3)	13 (4)	7 (4)
1970	8 (3)	8 (3)	10 (3)	13 (3)	12 (4)	7 (3)
1971	4 (3)	5 (3)	12 (3)	15 (3)	12 (4)	9 (3)
1972	5 (3)	9 (3)	3 (1)	6 (3)	14 (4)	12 (3)
1973	6 (4)	7 (3)	5 (1)	11 (3)	14 (4)	9 (4)
1974	6 (1)	4 (3)	8 (4)	16 (3)	13 (4)	4 (1)
1975	5 (4)	6 (3)	7 (3)	8 (3)	3 (4)	5 (4)
1976	9 (3)	6 (3)	16 (3)	10 (3)	9 (4)	5 (3)
1977	1 (3)	11 (3)	16 (3)	6 (3)	7 (4)	5 (3)
1978[1,2]	1/0 (3)	13/6 (3)	8/5 (4)	5/1 (3)	12/5 (4)	3/2 (4)
1979	3/3 (3)	9/5 (3)	8/4 (1)	11/8 (3)	10/6 (4)	11/6 (4)
1980	13/7 (4)	5/2 (3)	9/7 (3)	11/6 (3)	13/9 (4)	1/1 (4)
1981	8/4 (4)	8/3 (3)	6/2 (3)	7/4 (3)	7/2 (4)	6/1 (3)
1982	4/3 (3)	3/2 (3)	5/3 (3)	9/6 (3)	8/3 (4)	10/2 (3)
1983	17/11 (3)	10/9 (3)	9/8 (3)	6/2 (3)	3/1 (4)	2/0 (3)
1984	3/3 (3)	4/0 (3)	3/2 (1)	7/7 (3)	4/0 (4)	6/2 (4)
1985	4/2 (4)	5/2 (3)	7/6 (4)	13/12 (3)	11/1 (4)	0/0 (1)

1 Beginning with 1978, the number of alchol-related traffic fatalities for a given holiday is included, in addition to the total number of holiday fatalities. The number of all fatalities is on the left of the slash mark; the number of alcohol-related fatalities is on the right. As for previous years, the number of days included in the holiday is in parentheses.

2 In some cases, holiday fatality figures for 1978 through 1982 have been revised.

Iowa
Accidents Involving
Fatalities

In 1985 there were:
473 persons killed in 415 fatal accidents

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	67	10.5**
Improper passing	15	2.4
Left of center, not passing	64	10.0
Failure to yield	27	4.2
Wrong way, one-way road	1	0.2
Speed too fast	85	13.3
Drag racing	2	0.3
Improper turn	1	0.2
Improper lane change	0	--
Following too close	2	0.3
Improper or no signal	1	0.2
Disregarded R.R. signal	6	0.9
Disregarded warning signal	1	0.2
Reckless driving	9	1.4
Improper backing	1	0.2
Illegal or improper parking	2	0.3
Failure to have control	158	24.8
Lights not on	1	0.2
Inattentive/distracted	17	2.7
Confused/inexperienced	8	1.3
Vision obscured	28	4.4
Oversized vehicle	1	0.2
Other	24	3.8

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**1985 fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	357	62.7
Drinking - impaired	151	26.5
Drinking - not impaired	44	7.7
Drugs	1	0.2
Physical defect	0	--
Fatigued	1	0.2
Apparently asleep	10	1.8
Ill	1	0.2
Under medication	0	--
Infirmities of age	2	0.4
Other	2	0.4
Total no. of drivers (condition stated)	569	
Condition not stated	69	
GRAND TOTAL	638	

Driver Sex	Number of Drivers	Percent
Male	504	79.4
Female	131	20.6
Total no. of drivers (sex known)	635	
Sex not stated	3	
GRAND TOTAL	638	

Driver Age	Number of Drivers	Percent
15 & younger	4	0.6
16	16	2.5
17	22	3.5
18	24	3.8
19	20	3.2
20	26	4.1
21	46	7.3
22	19	3.0
23	19	3.0
24	18	2.8
25-34	147	23.2
35-44	95	15.0
45-54	60	9.5
55-64	56	8.8
65-74	36	5.7
75 & older	26	4.1
Total no. of drivers (age known)	634	
Age not stated	4	
GRAND TOTAL	638	

Note: In 1985 fatal accidents, 75.0 percent of the vehicle occupants who were killed were not wearing safety belts, 4.0 percent were wearing safety belts, and safety belt use was unknown or unreported for 21.0 percent of those killed.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	540	82.9
Turning left	39	6.0
Turning right	6	0.9
Backing	1	0.2
Stopped in traffic	10	1.5
Parked	15	2.3
Making U-turn	0	
Passing	14	
Changing lanes	1	
Merging	0	6.1
Parking	0	
Slowing-stopping	10	
Unattended moving vehicle	0	
Other	15	
Total no. of vehicles (action stated)	651	
Action not stated	1	
GRAND TOTAL	652	

Note: Total number of vehicles includes parked farm vehicles involved in accidents.

Total percent may not equal 100 due to rounding.

Vehicle Defect	Number of Vehicles	Percent
None	383	94.8
Brakes	1	
Lights	4	
Steering	1	
Wipers	0	5.2
Tires	12	
Trailer hitch	1	
Other	2	
Total no. of vehicles (defect stated)	404	
Defect not stated	248	
GRAND TOTAL	652	

The Environment

Light	Number of Accidents	Percent
Dawn	7	1.7
Daylight	205	50.0
Dusk	17	4.1
Darkness (road lighted)	41	10.0
Darkness (road unlighted)	140	34.1
Total no. of accidents (light stated)	410	
Light not stated	5	
GRAND TOTAL	415	

Note: Figures indicate number of accidents involving farm vehicles occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	253	61.0
Cloudy	120	28.9
Fog	6	1.4
Mist	11	2.7
Rain	20	4.8
Sleet/hail	2	0.5
Snow	15	3.6
Strong wind	22	5.3
Other	6	1.4

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	11	5.9
Underpass/bridge support	3	1.6
Building	4	2.2
Culvert	8	4.3
Curb	5	2.7
Ditch	72	38.7
Island/raised median	2	1.1
Embankment/retaining wall	9	4.8
Fence	4	2.2
Guardrail	6	3.2
Light pole	8	4.3
Sign post	11	5.9
Tree or shrubbery	14	7.5
Utility pole	11	5.9
Other pole or support	3	1.6
Mailbox	3	1.6
Impact attenuator	1	0.5
Other	11	5.9

28.5% of farm vehicles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	256	61.8
Traffic signals	12	2.9
Stop sign	68	16.4
Yield sign	2	
No passing zone (marked)	26	
R.R. warning sign	4	18.8
R.R. automatic signal	1	
R.R. crossing gate	2	
Other	43	
Total no. of accidents (control stated)	414	
Control not stated	1	
GRAND TOTAL	415	

Iowa
Accidents Involving
Alcohol

In 1985 there were:

234 persons killed in alcohol-related accidents, or 49.5 percent of all traffic fatalities

3,125 persons injured in alcohol-related accidents

4,089 accidents involving alcohol and motor vehicles

202 fatal accidents involving alcohol and motor vehicles, or 48.7 percent of all fatal accidents

2,034 personal injury accidents involving alcohol and motor vehicles

1,853 property damage accidents involving alcohol and motor vehicles

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers/ Operators	Percent
Drinking driver/operator actions:		
Ran traffic control	234	5.6**
Improper passing	54	1.3
Left of center, not passing	186	4.5
Failure to yield	146	3.5
Wrong way, one-way road	18	0.4
Speed too fast	539	13.0
Drag racing	6	0.1
Improper turn	38	0.9
Improper lane change	32	0.8
Following too close	48	1.2
Improper or no signal	7	0.2
Disregarded R.R. signal	5	0.1
Disregarded warning signal	19	0.5
Reckless driving	188	4.5
Improper backing	36	0.9
Illegal or improper parking	16	0.4
Failure to have control	2,033	48.9
Lights not on	10	0.2
Inattentive/distracted	224	5.4
Confused/inexperienced	89	2.1
Vision Obscured	80	1.9
Oversized vehicle	0	--
Other	430	10.4

Drinking pedestrian actions:	Pedestrians	Percent
Crossing against signal	2	3.5
Crossing, not at crosswalk	17	29.8
Walking, improper position on roadway	4	7.0
Walking with traffic	7	12.3
Walking against traffic	0	--
Crossing with signal or in crosswalk	6	10.5
Ran onto roadway or into road from between parked cars	4	7.0
Playing	1	1.8
Pushing, working on vehicle	2	3.5
Lying or sitting on roadway	0	--
Getting on or off vehicle	7	12.3
Walking, off roadway	1	1.8
Unknown/other	6	10.5

Note: From 0-2 action/circumstances are listed for each drinking driver, operator or pedestrian involved in an accident.

**1985 fail to yield from stop sign included in ran traffic control. Previously included in fail to yield.

Condition	Number of Drivers/ Operators	(%)	Number of Pedestrians	(%)
Apparently normal	0	--	0	--
Drinking - impaired	2,685	65.0	32	56.1
Drinking - not impaired	1,431	34.6	25	43.9
Drugs	0	--	0	--
Physical defect	0	--	0	--
Fatigued	1	*	0	--
Apparently asleep	9	0.2	0	--
Ill	0	--	0	--
Under medication	1	*	0	--
Infirmities of age	2	*	0	--
Other	3	0.1	0	--
Total no. of drivers (condition stated)	4,132	99.9	57	100.0
Condition not stated	22			
GRAND TOTAL	4,154		57	

Note: Some of the drinking drivers were not listed as 'condition = drinking,' but did have a blood alcohol content greater than 0. This may occur because the report form provides space to list only one condition, although more than one condition may have been applicable to the driver at the time. If the driver fell asleep at the wheel and possessed a BAC above 0, for instance, the officer may have listed the condition as 'apparently asleep.'

Sex	Number of Drivers/ Operators	(%)	Number of Pedestrians	(%)
Male	3,492	84.5	44	77.2
Female	639	15.5	13	22.8
Total no. of drivers (sex known)	4,131		57	
Sex not stated	23			
GRAND TOTAL	4,154		57	

Age	Number of Drivers/ Operators	(%)	Number of Pedestrians	(%)
15 & younger	14	0.3	0	--
16	94	2.3	2	3.6
17	163	4.0	1	1.8
18	252	6.1	1	1.8
19	295	7.2	7	12.5
20	299	7.3	2	3.6
21	279	6.8	4	7.1
22	239	5.8	2	3.6
23	207	5.0	3	5.4
24	191	4.6	1	1.8
25-34	1,207	29.3	16	28.6
35-44	474	11.5	6	10.7
45-54	202	4.9	2	3.6
55-64	126	3.1	6	10.7
65-74	65	1.6	2	3.6
75 & older	15	0.4	1	1.8
Total no. of drivers (age known)	4,122		56	
Age not stated	32		1	
GRAND TOTAL	4,154		57	

Note: In 1985 alcohol-related accidents, 75.5 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts, 3.4 percent were wearing safety belts, and safety belt use was unknown or unreported for 21.1 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	3,044	73.8
Turning left	368	8.9
Turning right	216	5.2
Backing	78	1.9
Stopped in traffic	37	0.9
Parked	3	0.1
Making U-turn	20	0.5
Passing	66	1.6
Changing lanes	43	1.0
Merging	19	0.5
Parking	3	0.1
Slowing-stopping	56	1.4
Unattended moving vehicle	0	--
Other	174	4.2
Total no. of vehicles (action stated)	4,127	
Action not stated	27	
GRAND TOTAL	4,154	

Note: Total number of vehicles includes vehicles parked with drinking drivers present.

Vehicle Defect	Number of Vehicles	Percent
None	3,311	97.5
Brakes	29	0.9
Lights	6	0.2
Steering	8	0.2
Wipers	0	--
Tires	33	1.0
Trailer hitch	0	--
Other	9	0.3
Total no. of vehicles (defect stated)	3,396	
Defect not stated	758	
GRAND TOTAL	4,154	

The Environment

Light	Number of Accidents	Percent
Dawn	36	0.9
Daylight	731	17.9
Dusk	110	2.7
Darkness (road lighted)	1,848	45.3
Darkness (road unlighted)	1,357	33.2
Total no. of accidents (light stated)	4,082	
Light not stated	7	
GRAND TOTAL	4,089	

Note: Figures indicate number of accidents involving alcohol occurring under the conditions indicated.

Total percent may not equal 100 due to rounding.

Weather	Number of Accidents	Percent
Clear	2,468	60.4
Cloudy	1,150	28.1
Fog	44	1.1
Mist	156	3.8
Rain	270	6.6
Sleet/hail	19	0.5
Snow	136	3.3
Strong wind	60	1.5
Other	21	0.5

Note: Some accident reports listed more than one type of weather condition. The percentages listed for each weather condition is based on the total number of accidents.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	85	4.1
Underpass/bridge support	5	0.2
Building	73	3.5
Culvert	49	2.4
Curb	83	4.0
Ditch	513	24.9
Island/raised median	29	1.4
Embankment/retaining wall	78	3.8
Fence	130	6.3
Guardrail	68	3.3
Light pole	172	8.4
Sign post	128	6.2
Tree or shrubbery	188	9.1
Utility pole	208	10.1
Other pole or support	49	2.4
Mailbox	49	2.4
Impact attenuator	3	0.1
Other	149	7.2

49.6% of drinking drivers involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	2,974	73.6
Traffic signals	377	9.3
Stop sign	345	8.5
Yield sign	16	8.6
No passing zone (marked)	70	
R.R. warning sign	6	
R.R. automatic signal	12	
R.R. crossing gate	3	
Other	239	
Total no. of accidents (control stated)	4,042	
Control not stated	3	
GRAND TOTAL	4,045	

Note: The 4,045 figure does not include 44 accidents in which only the pedestrian was drinking.

SUMMARY

Pedestrians

Alcohol-Related Pedestrian Accidents:

	Fatal Acc.		Injury Acc.	
	No.	%	No.	%
Pedestrian (only) drinking	9	32.1	35	4.6
Driver (only) drinking	2	7.1	28	3.7
Pedestrian and driver drinking	1	3.6	11	1.4
No alcohol involvement	14	50.0	681	89.0
Unknown	2	7.1	10	1.3
Total	28		765	

Fatalities:

Age	Killed	%	Injured	%
0-4	1	3.6	65	8.1
5-9	3	10.7	191	23.7
10-14	2	7.1	98	12.2
15-19	5	17.9	86	10.7
20-24	2	7.1	66	8.2
25-44	4	14.3	144	17.9
45-64	8	28.6	55	6.8
65+	3	10.7	64	7.9
Not stated	0	--	37	4.6
Total	28		806	

Of all pedestrian fatalities, 25.0% were persons under 10 or over 64 years of age.

All Pedestrian Accidents:

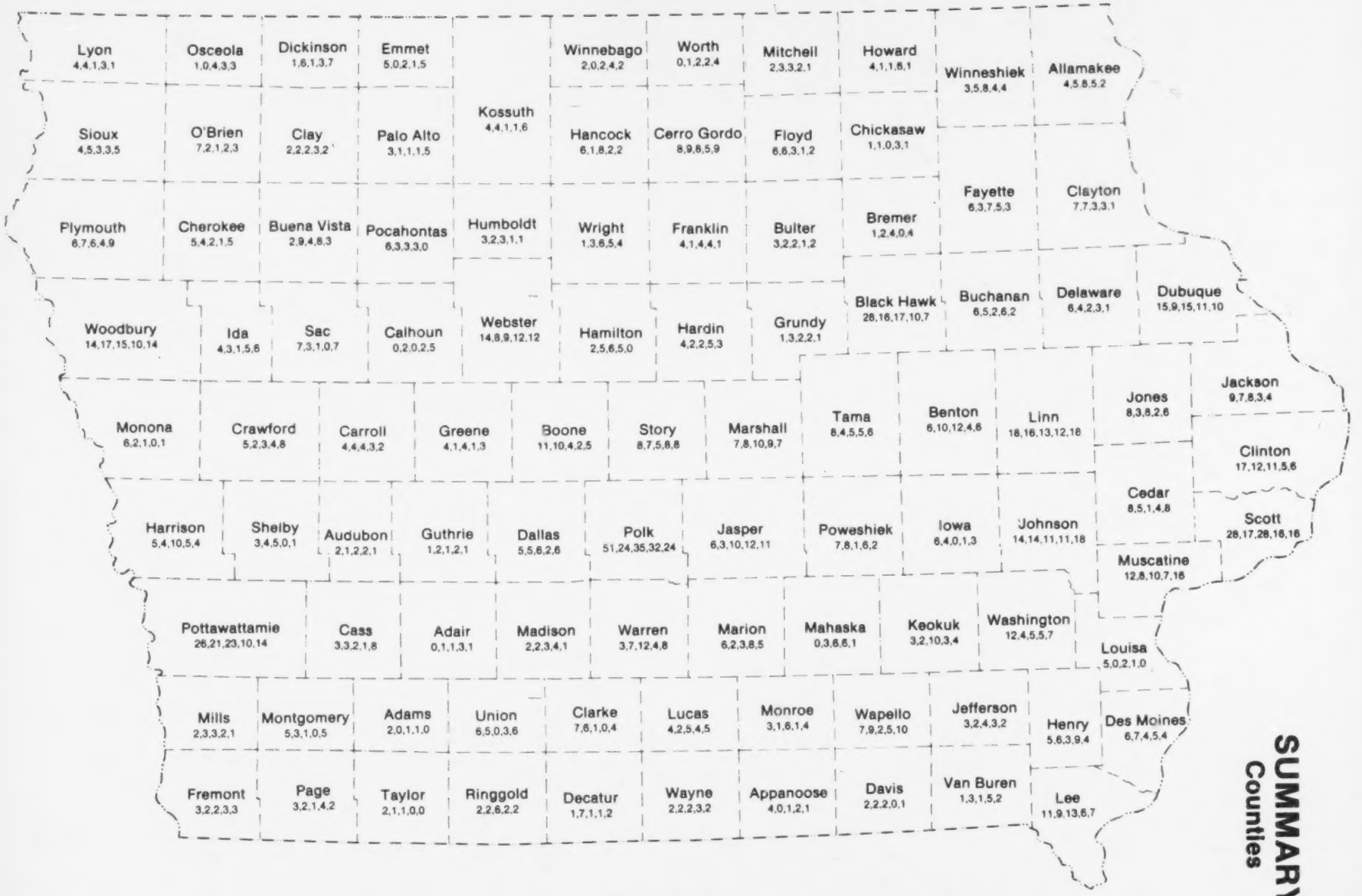
Pedestrian Action	Killed	Injured
Crossing against signal	0	32
Crossing, not at crosswalk	7	137
Walking, improper position on roadway	2	28
Soliciting rides on road	0	2
Walking with traffic	2	25
Walking against traffic	0	12
Crossing with signal or in crosswalk	4	110
Ran onto roadway or into road from between parked cars	3	234
Directing traffic	0	7
Playing	3	13
Lying or sitting on roadway	0	2
Pushing, working on vehicle	3	14
Getting on or off vehicle	1	30
Maintenance/construction project	1	3
Walking, off roadway	2	23
Unknown	0	134
Total	28	806

NOTE: Total percent may not equal 100 due to rounding.

Driver Action/ Contributing Circum.*	Fatal Acc.	Injury Acc.
Ran traffic control	1	5
Improper passing	0	1
Left of center, not passing	1	3
Failure to yield	2	57
Speeding	2	18
Improper turn	0	0
Improper lane change	0	1
Following too close	0	0
Disregarded warning signal	0	0
Reckless driving	0	9
Improper backing	0	6
Failure to control	2	18
Headlights not on	0	0
Driver physical condition	0	0
Driver drinking	0	0
Inattentive/distracted	3	18
Confused/inexperienced	0	8
Vision obscured	6	101
Vehicle defect	0	1
Vehicle overloaded/oversized	0	0
Other	5	36

*0-2 actions/circumstances were listed for each driver.

Fatalities by County
1981-1985



SUMMARY
Counties

Numbers represent fatalities, in order, for each year from 1981 through 1985.

SUMMARY

Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Adair	9,707	6,442	190	196	1	1	58	94
Adams	5,084	3,914	83	163	0	0	23	34
Allamakee	14,545	10,023	289	199	2	2	78	114
Appanoose	14,784	10,149	260	176	1	1	73	120
Audubon	8,373	5,772	122	146	1	1	32	58
Benton	18,751	15,901	347	185	5	6	124	181
Black Hawk	120,485	88,455	2,659	221	7	7	886	1,197
Boone	21,768	17,329	466	214	4	5	126	184
Bremer	23,141	16,831	406	175	4	4	110	178
Buchanan	20,448	14,507	357	175	2	2	116	178
Buena Vista	20,805	14,567	434	209	3	3	131	181
Butler	17,612	12,280	195	111	2	2	56	86
Calhoun	13,111	9,043	164	125	5	5	45	64
Carroll	22,331	15,764	458	205	2	2	134	164
Cass	18,429	11,901	355	193	8	8	103	144
Cedar	15,024	12,200	346	230	7	8	98	156
Cerro Gordo	46,792	33,866	1,342	287	9	9	394	576
Cherokee	16,319	11,002	297	182	4	5	83	123
Chickasaw	15,118	10,500	237	157	1	1	69	104
Clarke	8,656	5,951	190	220	4	4	64	94
Clay	15,572	13,248	435	279	2	2	144	211
Clayton	20,134	14,022	402	200	1	1	113	153
Clinton	52,981	37,803	1,344	254	5	6	309	427
Crawford	19,290	12,839	418	217	8	8	129	186
Dallas	25,375	20,884	540	213	4	6	170	254
Davis	9,421	5,882	150	159	1	1	54	83
Decatur	8,510	5,817	151	177	2	2	45	63
Delaware	17,490	12,779	304	174	1	1	87	132
Des Moines	45,583	31,212	997	219	4	4	297	403
Dickinson	15,738	11,236	359	228	4	7	117	173
Dubuque	79,729	60,293	2,226	279	10	10	716	975
Emmet	13,237	8,847	235	178	5	5	67	88
Fayette	22,831	16,688	351	154	2	3	114	163
Floyd	19,336	13,104	287	148	2	2	81	135
Franklin	10,811	8,848	218	202	1	1	73	119
Fremont	9,743	6,086	184	189	3	3	58	96

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

SUMMARY
Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Greene	12,543	8,239	216	172	3	3	49	67
Grundy	13,908	9,422	172	124	1	1	65	91
Guthrie	11,960	8,059	169	141	1	1	40	53
Hamilton	18,308	12,385	399	218	0	0	112	149
Hancock	13,938	9,511	164	118	2	2	48	79
Hardin	21,972	15,098	377	172	3	3	120	187
Harrison	14,228	10,952	368	259	3	4	102	156
Henry	19,113	13,150	311	163	2	4	97	149
Howard	10,850	7,330	152	140	1	1	37	54
Humboldt	12,774	8,675	202	158	1	1	58	97
Ida	9,406	6,331	142	151	5	6	26	44
Iowa	16,018	10,616	342	214	3	3	96	151
Jackson	20,757	14,545	305	147	3	4	87	117
Jasper	36,708	24,873	618	168	7	11	216	333
Jefferson	17,506	11,860	343	196	2	2	105	149
Johnson	67,028	57,129	2,149	321	14	18	574	802
Jones	19,039	13,194	342	180	4	6	91	140
Keokuk	13,492	8,902	153	113	4	4	46	76
Kossuth	21,947	14,796	330	150	4	6	87	147
Lee	34,508	28,235	966	280	7	7	274	395
Linn	156,904	118,908	3,523	225	16	18	1,050	1,416
Louisa	12,137	7,393	198	163	0	0	64	92
Lucas	10,181	6,986	207	203	4	5	54	99
Lyon	13,252	8,795	197	149	1	1	51	74
Madison	12,775	8,566	244	191	1	1	73	114
Mahaska	22,572	14,925	467	207	1	1	121	175
Marion	28,781	19,937	527	183	5	5	171	248
Marshall	40,536	28,839	959	237	7	7	302	450
Mills	13,506	8,693	309	229	1	1	89	135
Mitchell	12,295	8,400	172	140	1	1	48	64
Monona	11,730	7,803	205	175	1	1	54	75
Monroe	8,828	5,834	146	165	4	4	53	84
Montgome	11,174	9,065	333	298	3	5	92	124
Muscatine	41,547	28,134	836	201	15	16	290	453
O'Brien	17,193	11,670	249	145	1	3	73	107
Osceola	8,436	5,574	101	120	2	3	27	47

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

SUMMARY

Counties

County	Registrations*	Licensed Drivers	All Acc.	Acc. Rate**	Fatal Acc.	Persons Killed	Injury Acc.	Persons Injured
Page	17,880	12,499	322	180	2	2	79	117
Palo Alto	11,768	8,373	145	123	5	5	38	59
Plymouth	24,986	16,339	484	194	7	9	153	229
Pocahontas	11,323	7,806	101	89	0	0	30	42
Polk	318,380	216,587	11,374	357	22	24	3,250	4,709
Pottawattamie	94,334	59,034	2,544	270	13	14	780	1,127
Poweshiek	19,663	13,404	377	192	2	2	108	175
Ringgold	6,384	4,192	118	185	1	2	22	30
Sac	13,670	9,404	223	163	4	7	94	124
Scott	147,027	108,326	3,955	269	13	16	1,205	1,662
Shelby	15,021	10,414	181	120	1	1	50	65
Sioux	28,485	20,090	411	144	4	5	141	226
Story	46,126	46,233	1,488	323	8	8	353	483
Tama	19,577	12,982	299	153	6	6	76	117
Taylor	8,446	5,575	120	142	0	0	26	35
Union	13,563	9,408	307	226	4	6	67	100
Van Buren	8,871	5,641	132	149	2	2	44	69
Wapello	37,654	26,106	752	200	9	10	254	370
Warren	34,528	24,334	613	178	8	8	207	297
Washington	20,458	13,687	374	183	5	7	87	124
Wayne	8,071	5,333	112	139	2	2	28	43
Webster	42,271	29,523	1,129	267	10	12	287	406
Winnebago	13,736	9,044	177	129	2	2	41	62
Winneshiek	20,392	14,060	435	213	4	4	97	146
Woodbury	90,784	65,560	2,374	261	13	14	804	1,136
Worth	9,409	6,083	135	143	4	4	50	68
Wright	13,295	11,426	251	189	4	4	62	83
Total	**2,761,016**	**1,970,272**	**63,624**	**230**	**415**	**473**	**18,752**	**26,988**

* County and total motor vehicle registration figures exclude trailers, travel trailers, mobile homes, official vehicles, trucks licensed to operate in more than one state, and vehicles registered to non-Iowa residents not registered to a specific county.

** Per 10,000 registered vehicles.

SUMMARY

Counties: Acc. by Road System

	Interstate/ Freeway			U.S. or State Highway			County Road			City Street			Other/Unknown		
	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.
Adair	1	17	45	0	10	20	0	22	39	0	9	26	0	0	1
Adams	0	0	0	0	7	27	0	11	17	0	4	15	0	1	1
Allamakee	0	0	0	1	34	93	1	36	68	0	8	47	0	0	1
Appanoose	0	0	0	0	36	70	1	18	49	0	18	64	0	1	3
Audubon	0	0	0	0	11	32	1	19	37	0	2	20	0	0	0
Benton	0	3	5	3	45	82	2	57	66	0	18	64	0	1	1
Black Hawk	1	4	24	3	356	635	0	62	83	3	454	1,010	0	10	14
Boone	0	0	0	2	27	66	2	31	60	0	65	206	0	3	4
Bremer	0	0	0	2	51	146	2	36	51	0	23	93	0	0	2
Buchanan	0	1	2	0	36	86	2	43	51	0	36	96	0	0	4
Buena Vista	0	0	0	1	61	145	2	37	31	0	32	123	0	1	1
Butler	0	0	0	1	16	56	1	31	35	0	9	45	0	0	1
Calhoun	0	0	0	1	16	34	3	15	34	1	14	41	0	0	5
Carroll	0	0	0	1	49	131	1	44	52	0	39	136	0	2	3
Cass	3	15	36	3	44	95	2	22	34	0	21	75	0	1	4
Cedar	2	25	72	1	16	56	4	37	57	0	20	54	0	0	2
Cerro Gordo	0	12	44	4	186	425	3	39	54	2	155	409	0	2	7
Cherokee	0	0	0	3	33	85	1	30	47	0	19	76	0	1	2
Chickasaw	0	0	0	1	35	70	0	21	41	0	12	55	0	1	1
Clarke	1	12	17	1	35	58	2	10	21	0	7	24	0	0	2
Clay	0	0	0	0	48	114	2	40	42	0	56	131	0	0	2
Clayton	0	0	0	0	44	127	1	50	95	0	19	63	0	0	3
Clinton	0	0	0	2	114	401	3	49	76	0	139	534	0	7	19
Crawford	0	0	0	3	53	123	4	40	55	1	35	100	0	1	3
Dallas	0	20	72	3	60	104	1	49	65	0	41	122	0	0	3
Davis	0	0	0	1	28	53	0	22	22	0	4	19	0	0	1
Decatur	0	10	19	2	13	32	0	16	31	0	6	22	0	0	0
Delaware	0	0	0	0	32	79	1	40	75	0	15	59	0	0	3
Des Moines	0	0	0	1	80	180	1	38	67	2	176	438	0	3	11
Dickinson	0	0	0	2	66	147	2	27	38	0	23	49	0	1	4
Dubuque	0	0	0	6	289	583	2	79	109	2	345	798	0	3	10
Emmet	0	0	0	3	34	65	2	12	33	0	21	63	0	0	2
Fayette	0	0	0	1	51	101	1	33	52	0	30	81	0	0	1
Floyd	0	0	0	1	34	60	1	19	40	0	28	103	0	0	1
Franklin	0	7	26	0	34	52	1	21	30	0	11	36	0	0	0
Fremont	1	12	19	1	17	43	1	24	37	0	5	21	0	0	3
Greene	0	0	0	2	19	61	1	15	40	0	15	62	0	0	1
Grundy	0	0	0	1	10	48	0	46	35	0	8	23	0	1	0
Guthrie	0	0	0	0	21	53	0	14	47	1	5	27	0	0	1
Hamilton	0	14	41	0	17	59	0	24	51	0	54	131	0	3	5
Hancock	0	0	0	1	12	36	1	26	23	0	9	54	0	1	1
Hardin	0	0	0	1	48	95	2	33	43	0	39	114	0	0	2
Harrison	0	7	22	2	47	120	1	35	62	0	13	53	0	0	6
Henry	0	0	0	2	35	87	0	36	57	0	25	68	0	1	0
Howard	0	0	0	0	12	48	1	16	38	0	8	25	0	1	3

SUMMARY

Counties: Acc. by Road System

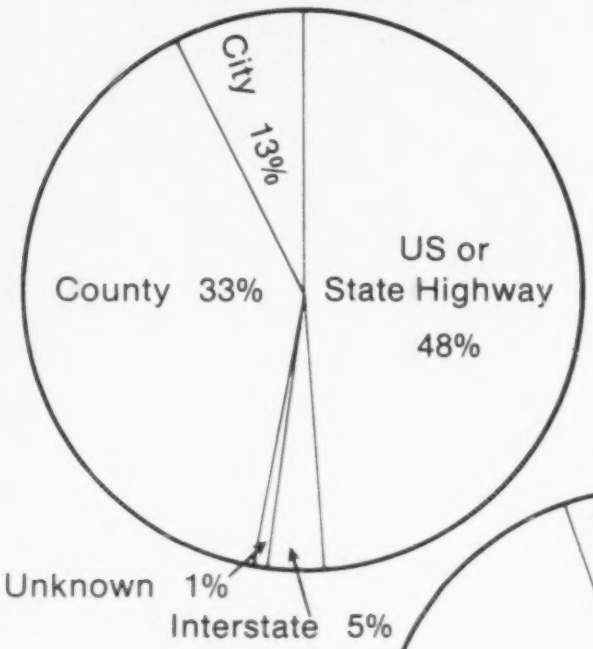
	Interstate/ Freeway			U.S. or State Highway			County Road			City Street			Other/Unknown		
	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.
Humboldt	0	0	0	0	20	48	1	16	26	0	21	64	0	1	5
Ida	0	0	0	2	9	39	2	12	34	1	5	36	0	0	2
Iowa	0	20	48	0	22	69	3	44	65	0	9	58	0	1	3
Jackson	0	0	0	1	39	85	2	27	44	0	21	83	0	0	3
Jasper	3	42	67	2	72	116	2	39	61	0	62	142	0	1	9
Jefferson	0	0	0	0	48	108	1	26	34	1	30	90	0	1	4
Johnson	1	53	121	8	196	482	3	103	129	1	218	821	1	4	8
Jones	0	0	0	3	34	97	1	39	74	0	15	73	0	3	3
Keokuk	0	0	0	4	23	63	0	19	22	0	4	18	0	0	0
Kossuth	0	0	0	1	30	82	3	32	68	0	23	88	0	2	1
Lee	0	0	0	5	147	343	1	47	90	1	72	239	0	8	13
Linn	2	62	164	7	333	697	2	107	115	5	539	1,456	0	9	25
Louisa	0	0	0	0	23	68	0	32	41	0	9	24	0	0	1
Lucas	0	0	0	2	19	45	2	10	20	0	23	79	0	2	5
Lyon	0	0	0	0	14	52	1	27	58	0	8	34	0	2	1
Madison	0	0	2	0	11	32	1	37	54	0	23	81	0	2	1
Mahaska	0	0	0	1	58	155	0	30	49	0	29	134	0	4	7
Marion	0	0	0	4	78	164	1	46	63	0	43	117	0	4	7
Marshall	0	0	0	3	107	219	4	68	71	0	123	343	0	4	17
Mills	0	9	21	1	37	97	0	28	46	0	15	54	0	0	1
Mitchell	0	0	0	1	17	34	0	24	45	0	7	42	0	0	2
Monona	0	4	16	1	16	46	0	23	34	0	10	52	0	1	2
Monroe	0	0	0	2	22	43	1	18	27	1	12	19	0	1	0
Montgomery	0	0	0	1	29	99	2	32	38	0	29	100	0	2	1
Muscatine	0	0	0	8	128	224	2	44	64	5	105	234	0	13	9
O'Brien	0	0	0	1	39	74	0	17	30	0	16	69	0	1	2
Osceola	0	0	0	2	9	15	0	11	33	0	7	22	0	0	2
Page	0	0	0	2	24	61	0	20	51	0	35	123	0	0	6
Palo Alto	0	0	0	3	18	33	2	13	27	0	7	42	0	0	0
Plymouth	0	0	0	2	55	121	4	47	72	1	50	126	0	1	5
Pocahontas	0	0	0	0	11	17	0	10	25	0	9	29	0	0	0
Polk	3	315	799	12	941	1,946	2	149	235	5	1,832	5,050	0	13	72
Pottawattamie	1	104	242	8	246	517	2	74	94	2	355	887	0	1	11
Poweshiek	0	26	44	2	35	87	0	25	33	0	22	98	0	0	5
Ringgold	0	0	0	1	3	30	0	15	46	0	4	19	0	0	0
Sac	0	0	0	3	34	48	0	39	30	1	20	46	0	1	1
Scott	2	82	148	7	387	858	1	56	68	3	667	1,620	0	13	43
Shelby	0	0	0	0	18	42	1	17	31	0	12	55	0	3	2
Sioux	0	0	0	4	53	93	0	52	61	0	36	110	0	0	2
Story	0	17	47	5	97	255	1	54	81	2	182	740	0	3	4
Tama	0	0	0	2	30	94	3	32	55	1	14	67	0	0	1
Taylor	0	0	0	0	10	29	0	10	30	0	6	34	0	0	1
Union	0	0	0	3	21	74	1	16	30	0	29	127	0	1	5
Van Buren	0	0	0	0	20	32	2	18	28	0	5	24	0	1	2
Wapello	0	0	0	5	91	157	4	44	77	0	118	239	0	1	16

SUMMARY

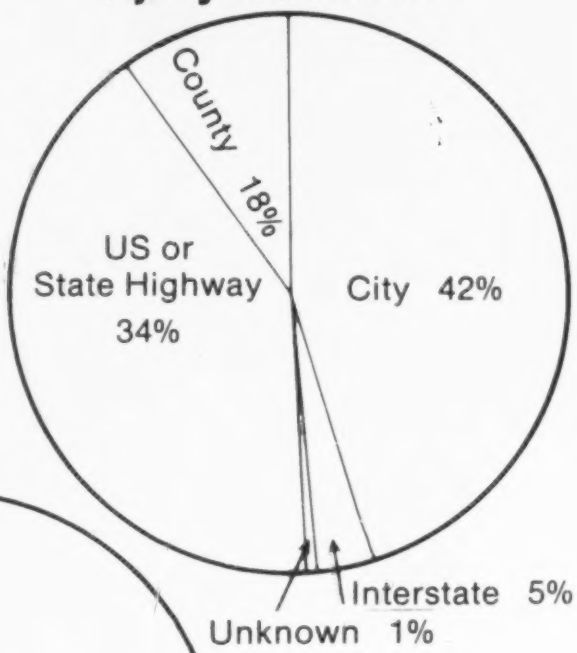
Counties: Acc. by Road System

	Interstate/ Freeway			U.S. or State Highway			County Road			City Street			Other/Unknown		
	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.	Fat. Acc.	Inj. Acc.	P.D. Acc.
Warren	0	13	29	4	86	166	4	70	108	0	35	89	0	3	6
Washington	0	0	0	3	44	149	2	24	49	0	17	82	0	2	2
Wayne	0	0	0	1	6	46	1	17	20	0	5	15	0	0	1
Webster	0	0	0	4	89	242	6	48	90	0	146	486	0	4	14
Winnebago	0	0	0	1	10	44	1	16	25	0	15	63	0	0	2
Winneshiek	0	0	0	2	33	104	1	38	123	1	25	103	0	1	4
Woodbury	1	72	101	3	144	248	1	38	57	8	546	1,133	0	4	18
Worth	0	9	16	1	18	32	1	16	15	2	7	18	0	0	0
Wright	0	0	7	0	22	61	4	19	34	0	21	82	0	0	1
Total	**22**	**987**	**2,316**	**201**	**6,448**	**14,465**	**138**	**3,360**	**5,220**	**53**	**7,793**	**21,954**	**1**	**164**	**502**

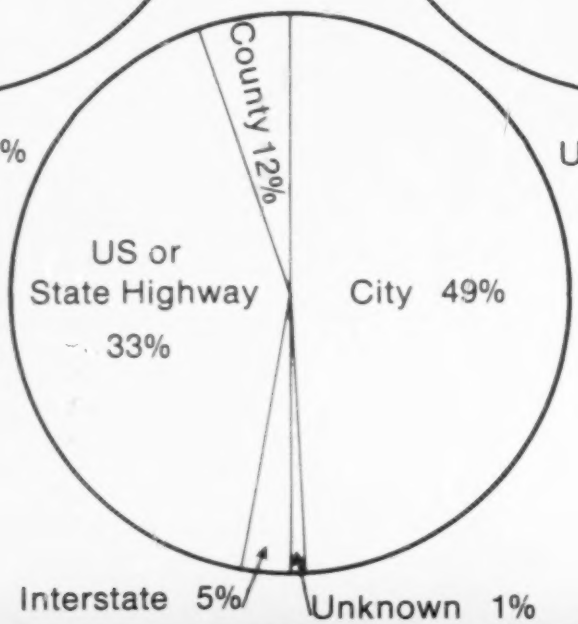
Fatal Accidents



Injury Accidents



Property Damage Accidents



SUMMARY

Cities

City	Population*	Number of Accidents 1984	Number of Accidents 1985	Persons Killed 1984	Persons Killed 1985	Persons Injured 1984	Persons Injured 1985	Acc. Rate** 1984	Acc. Rate** 1985
1. Des Moines	191,003	7,903	8,298	16	11	3,043	3,185	413.8	434.4
2. Cedar Rapids	110,243	2,609	2,659	6	8	1,021	973	236.7	241.2
3. Davenport	103,264	2,796	2,941	10	8	1,249	1,168	270.8	284.8
4. Sioux City	82,003	2,346	2,122	7	10	1,057	1,021	286.1	258.8
5. Waterloo	75,985	1,734	1,532	3	3	890	723	228.2	201.6
6. Dubuque	62,321	1,604	1,670	4	3	728	682	257.4	268.0
7. Council Bluffs	56,449	1,757	1,990	8	8	659	854	311.3	352.5
8. Iowa City	50,508	1,130	1,287	1	2	428	381	223.7	254.8
9. Ames	45,775	970	1,018	1	4	331	266	211.9	222.4
10. Cedar Falls	36,322	681	751	3	1	248	284	187.5	206.8
11. Clinton	32,828	943	973	4	1	270	249	287.3	296.4
12. Mason City	30,144	879	944	1	3	360	372	291.6	313.2
13. Burlington	29,529	599	678	0	2	240	268	202.9	229.6
14. Fort Dodge	29,423	910	836	4	0	356	273	309.3	284.1
15. Bettendorf	27,381	503	553	2	1	241	262	183.7	202.0
16. Ottumwa	27,381	519	488	0	1	245	223	189.5	178.2
17. Marshalltown	26,938	638	651	1	0	289	256	236.8	241.7
18. Muscatine	23,467	625	525	1	8	230	267	266.3	223.7
19. West Des Moines	21,894	530	598	0	0	197	260	242.1	273.1
20. Marion	19,474	330	308	1	2	184	132	169.5	158.2
21. Urbandale	17,869	329	416	0	0	168	218	184.1	232.8
22. Ankeny	15,429	260	271	0	1	149	131	168.5	175.6
23. Newton	15,292	248	264	2	1	124	134	162.2	172.6
24. Keokuk	13,536	294	269	1	1	124	93	217.2	198.7
25. Fort Madison	13,520	330	347	0	1	101	138	221.9	256.7
26. Boone	12,602	276	248	0	0	120	93	219.0	196.8
27. Spencer	11,726	265	276	1	0	135	115	226.0	235.4
28. Oskaloosa	10,989	319	282	1	0	93	87	290.3	256.6
29. Indianola	10,843	212	169	0	0	86	65	195.5	155.9
30. Carroll	9,705	226	255	0	0	101	76	232.9	262.8
31. Fairfield	9,428	221	243	0	1	74	99	234.4	257.7
32. Grinnell	8,868	97	163	1	0	31	37	109.4	183.8
33. Storm Lake	8,814	254	241	0	0	101	94	288.2	273.4
34. Charles City	8,778	149	152	0	1	49	52	169.7	173.2

* List includes all Iowa cities with a population of 5,000 or more, based on 1980 census figures (including revisions made through January 1983). Figures provided by Office of the State Demographer, Office for Planning and Programming, Des Moines.

** Per 10,000 population

SUMMARY
Cities

City	Population*	Number of Accidents 1984	Number of Accidents 1985	Persons Killed 1984	Persons Killed 1985	Persons Injured 1984	Persons Injured 1985	Acc. Rate** 1984	Acc. Rate** 1985
35. Webster City	8,572	172	182	0	0	70	68	200.7	212.3
36. Waverly	8,444	138	168	0	0	51	49	163.4	199.0
37. Creston	8,429	214	196	2	0	43	41	253.9	232.5
38. Pella	8,349	135	152	0	0	55	48	161.7	182.1
39. Le Mars	8,276	156	205	0	2	50	104	188.5	182.1
40. Knoxville	8,143	120	116	0	0	36	48	147.4	142.5
41. Decorah	8,068	141	143	0	2	35	47	174.8	177.2
42. Atlantic	7,789	146	130	0	0	54	45	187.4	166.9
43. Coralville	7,687	316	292	0	3	162	116	411.1	379.9
44. Oelwein	7,564	94	123	0	0	32	48	124.3	162.6
45. Estherville	7,518	147	140	1	1	48	53	195.5	186.2
46. Clear Lake	7,458	181	156	1	1	79	67	242.7	209.2
47. Mount Pleasant	7,322	137	139	0	0	62	44	187.1	189.8
48. Perry	7,053	135	141	0	0	46	68	191.4	199.9
49. Cherokee	7,004	139	130	0	0	52	44	198.5	185.6
50. Red Oak	6,810	133	161	0	0	49	54	195.3	236.4
51. Denison	6,675	187	200	0	1	67	74	280.1	299.6
52. Washington	6,584	106	116	0	0	37	29	161.0	176.2
53. Centerville	6,558	117	117	0	0	34	47	178.4	178.4
54. Independence	6,392	126	137	0	0	44	53	197.1	214.3
55. Maquoketa	6,313	116	106	0	0	55	41	183.7	167.9
56. Algona	6,289	128	135	1	0	40	59	203.5	214.7
57. Shenandoah	6,274	93	101	0	0	31	22	148.2	161.0
58. Iowa Falls	6,174	125	136	1	0	58	49	202.5	220.3
59. Clive	6,064	203	211	0	1	114	128	334.8	348.0
60. Nevada	5,912	82	99	0	0	19	30	138.7	167.5
61. Altoona	5,764	66	86	0	0	15	24	114.5	149.2
62. Windsor Heights	5,474	149	141	3	0	53	54	272.2	257.6
63. Clarinda	5,458	82	86	3	0	15	35	150.2	157.6
64. Harlan	5,357	88	73	0	0	27	18	164.3	136.3
65. Glenwood	5,280	71	84	0	0	23	30	134.5	159.1
66. Vinton	5,040	57	48	0	0	18	18	113.1	95.2
67. Sheldon	5,003	106	112	0	0	44	31	211.9	223.9
68. Chariton	5,116	91	114	0	0	27	45	177.9	222.8

* List includes all Iowa cities with a population of 5,000 or more, based on 1980 census figures (including revisions made through January 1983). Figures provided by Office of the State Demographer, Office for Planning and Programming, Des Moines.

** Per 10,000 population.

SUMMARY

Collision Accidents: Vehicle Type

Collision Accidents: Type of Vehicles Involved Iowa, 1985

In 1985, 80.2 percent of all Iowa accidents involved collisions between two or more vehicles. Three or more vehicles were involved in 7.2 percent of all accidents. The following table shows the number of accidents which involved a collision between a given combination of vehicles. (For instance: In 1985, 953 accidents involved a motorcycle/automobile collision.)

Example: If an accident involves two motorcycles and an automobile, it is counted once under motorcycle/automobile and once under motorcycle/motorcycle.

Vehicle Type	Automobile	Automobile/pickup with trailer or camper	Bus	School bus	Bicycle	Moped	Motorcycle	Farm vehicle	Motor home	Recreational vehicle	Train	Panel/van/pickup	Straight truck	Tow/maintenance construction vehicle	Truck tractor	truck tractor with trailer	Other/unknown
Automobile	26,858	332	172	150	463	230	953	164	30	180	88	9,880	814	320	111	1,230	2,206
Automobile/pickup with trailer or camper	332	12	2	2	3	4	11	3	1	2	1	81	11	3	0	22	13
Bus	172	2	1	0	0	0	2	0	0	0	0	34	3	2	1	3	5
School bus	150	2	0	1	1	0	1	5	0	0	0	38	6	3	1	3	5
Bicycle	463	3	0	1	4	10	17	1	0	1	0	82	7	1	0	3	28
Moped	230	4	0	0	10	13	7	0	0	2	0	50	4	1	0	2	9
Motorcycle	953	11	2	1	17	7	38	1	1	3	1	195	12	2	1	14	40
Farm vehicle	164	3	0	5	1	0	1	2	1	1	2	50	12	1	1	19	2
Motor home	30	1	0	0	0	0	1	1	0	0	1	3	3	2	0	2	1
Recreational vehicle	180	2	0	0	1	2	3	1	0	6	0	45	2	2	0	5	6
Train	88	1	0	0	0	0	1	2	1	0	0	35	4	3	1	5	3
Panel/van/pickup	9,886	81	34	38	82	50	195	50	3	45	35	1,255	236	91	13	253	314
Straight truck	814	11	3	6	7	4	12	12	3	2	4	236	29	10	6	45	14
Tow/maintenance/ construction vehicle	320	3	2	3	1	1	2	1	2	2	3	91	10	9	1	22	12
Truck tractor	111	0	1	1	0	0	1	1	0	0	1	13	6	1	0	7	5
Truck tractor with trailer	1,230	22	3	3	3	2	14	19	2	5	5	253	45	22	7	80	23
Other/unknown	2,206	13	5	5	28	9	40	2	1	6	3	314	14	12	5	23	229

Number of Accidents Involving Specific Vehicle Types: 1985

Vehicle Type	All Accidents		Fatal Accidents		
	No.	Percent	No.	Percent	Drivers: % with Iowa Licenses*
Automobile	54,892	86.3	303	73.0	91.6
Automobile/pickup with trailer or camper	656	1.0	8	1.9	75.0
Bus	231	0.4	1	0.2	100.0
School bus	230	0.4	2	0.5	100.0
Bicycle	615	1.0	9	2.2	--
Moped	460	0.7	0	--	--
Motorcycle	2,040	3.2	54	13.0	92.7
Farm vehicle	301	0.5	11	2.7	81.8
Motor home	49	0.1	0	--	--
Recreational vehicle	310	0.5	4	1.0	75.0
Train	141	0.2	10	2.4	--
Panel/van/pickup	15,204	23.9	97	23.4	92.4
Straight truck	1,431	2.2	16	3.9	93.8
Tow/maintenance/construction vehicle	524	0.8	2	0.5	100.0
Truck tractor	183	0.3	0	--	--
Truck tractor with trailer**	2,361	3.7	48	11.6	60.4
Unknown/Other	2,825	4.4	0	--	--

"All Accidents" percentages are based on 63,624 accidents which occurred in 1985. Fatal accident percentages are based on 415 fatal accidents which occurred in 1985.

* 89.1 percent of all drivers involved in fatal accidents in Iowa during 1985 were licensed in Iowa.

** The 37 accidents involving double bottom trucks which occurred in 1985 are included in the "truck tractor with trailer" category.

Iowa
Accidents Involving
All Vehicles

In 1985 there were:

- **436 motor vehicle occupants killed**
- **26,030 motor vehicle occupants injured**
- **63,624 accidents involving motor vehicles**
  - **415 fatal accidents involving motor vehicles**
  - **18,752 personal injury accidents involving motor vehicles**
  - **44,457 property damage accidents involving motor vehicles**

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	4,418	4.2**
Improper passing	669	0.6
Left of center, not passing	824	0.8
Failure to yield	4,891	4.6
Wrong way, one-way road	53	*
Speed too fast	3,523	3.3
Drag racing	24	*
Improper turn	847	0.8
Improper lane change	846	0.8
Following too close	1,287	1.2
Improper or no signal	344	0.3
Disregarded R.R. signal	34	*
Disregarded warning signal	71	0.1
Reckless driving	475	0.4
Improper backing	845	0.8
Illegal or improper parking	158	0.1
Failure to have control	9,215	8.7
Lights not on	91	0.1
Inattentive/distracted	3,025	2.9
Confused/inexperienced	1,206	1.1
Vision obscured	4,920	4.6
Oversized vehicle	65	0.1
Other	3,136	3.0

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than one-tenth of one percent.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	98,008	94.6
Drinking - impaired	2,683	2.6
Drinking - not impaired	1,430	1.4
Drugs	35	*
Physical defect	102	0.1
Fatigued	252	0.2
Apparently asleep	482	0.5
Ill	57	0.1
Under medication	54	0.1
Infirmities of age	313	0.3
Other	201	0.2
Total no. of drivers (condition stated)	103,617	
Condition not stated	2,394	
GRAND TOTAL	106,011	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	66,520	64.8
Female	36,136	35.2
Total no. of drivers (sex known)	102,656	
Sex not stated	3,355	
GRAND TOTAL	106,011	

Driver Age	Number of Drivers	Percent
15 & younger	974	1.0
16	4,220	4.3
17	4,653	4.7
18	4,792	4.8
19	4,265	4.3
20-24	17,622	17.8
25-34	24,033	24.3
35-44	14,119	14.3
45-54	8,589	8.7
55-64	7,368	7.4
65-74	5,045	5.1
75 & older	3,282	3.3
Total no. of drivers (age known)	98,962	
Age not stated	7,049	
GRAND TOTAL	106,011	

Note: In 1985 motor vehicle accidents, 63.8 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts, 6.6 percent were wearing safety belts, and safety belt use was unknown or unreported for 29.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	69,017	63.7
Turning left	11,884	11.0
Turning right	4,106	3.8
Backing	2,881	2.7
Stopped in traffic	4,986	4.6
Parked	6,342	5.9
Making U-turn	288	8.4
Passing	1,327	
Changing lanes	1,628	
Merging	563	
Parking	237	
Slowing-stopping	3,275	
Unattended moving vehicle	116	
Other	1,668	
Total no. of vehicles (action stated)	108,318	
Action not stated	4,151	
GRAND TOTAL	112,469	

Note: Total number of vehicles includes parked vehicles involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	73,590	98.5
Brakes	296	
Lights	141	
Steering	73	
Wipers	12	1.5
Tires	253	
Trailer hitch	36	
Other	325	
Total no. of vehicles (defect stated)	74,726	
Defect not stated	37,743	
GRAND TOTAL	112,469	

The Environment

Light	Number of Accidents	Percent
Dawn	711	1.1
Daylight	41,087	65.1
Dusk	2,388	3.8
Darkness (road lighted)	10,206	16.2
Darkness (road unlighted)	8,757	13.9
Total no. of accidents (light stated)	63,149	
Light not stated	475	
GRAND TOTAL	63,624	

Note: Figures indicate number of accidents involving all vehicles occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	37,907	59.6
Cloudy	16,421	25.8
Fog	518	0.8
Mist	2,097	3.3
Rain	3,941	6.2
Sleet/hail	680	1.1
Snow	3,245	5.1
Strong wind	896	1.4
Other	214	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for all types of vehicles.

Total percentage may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Objects	Percent
Bridge/overpass	660	4.7
Underpass/bridge support	68	0.5
Building	357	2.6
Culvert	296	2.1
Curb	653	4.7
Ditch	3,657	26.3
Island/raised median	195	1.4
Embankment/retaining wall	400	2.9
Fence	831	6.0
Guardrail	619	4.4
Light pole	1,125	8.1
Sign post	973	7.0
Tree or shrubbery	926	6.7
Utility pole	1,132	8.1
Other pole or support	368	2.6
Mailbox	285	2.0
Impact attenuator	71	0.5
Other	1,303	9.4

12.4% of all vehicles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	43,016	67.7
Traffic signals	8,571	13.5
Stop sign	8,834	13.9
Yield sign	818	
No passing zone (marked)	534	
R.R. warning sign	112	4.9
R.R. automatic signal	94	
R.R. crossing gate	36	
Other	1,538	
Total no. of accidents (control stated)	63,553	
Control not stated	71	
GRAND TOTAL	63,624	

Iowa
Accidents Involving
Automobiles

In 1985 there were:

- **293 automobile occupants killed**
- **19,123 automobile occupants injured**
- **54,892 accidents involving automobiles**
  - **303 fatal accidents involving automobiles**
  - **15,452 personal injury accidents involving automobiles**
  - **39,137 property damage accidents involving automobiles**

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	3,494	4.4**
Improper passing	426	0.5
Left of center, not passing	576	0.7
Failure to yield	3,911	5.0
Wrong way, one-way road	42	0.1
Speed too fast	2,566	3.3
Drag racing	14	*
Improper turn	600	0.8
Improper lane change	580	0.7
Following too close	921	1.2
Improper or no signal	228	0.3
Disregarded R.R. signal	24	*
Disregarded warning signal	44	0.1
Reckless driving	332	0.4
Improper backing	510	0.6
Illegal or improper parking	99	0.1
Failure to have control	6,535	8.3
Lights not on	65	0.1
Inattentive/distracted	2,266	2.9
Confused/inexperienced	952	1.2
Vision obscured	3,685	4.7
Oversized vehicle	12	*
Other	2,152	2.7

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than on-tenth of one percent.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	73,075	94.7
Drinking - impaired	1,911	2.5
Drinking - not impaired	1,020	1.3
Drugs	28	*
Physical defect	83	0.1
Fatigued	195	0.3
Apparently asleep	351	0.5
Ill	47	0.1
Under medication	42	0.1
Infirmities of age	276	0.4
Other	157	0.2
Total no. of drivers (condition stated)	77,185	
Condition not stated	1,498	
GRAND TOTAL	78,683	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	44,604	57.5
Female	33,009	42.5
Total no. of drivers (sex known)	77,613	
Sex not stated	1,070	
GRAND TOTAL	78,683	

Driver Age	Number of Drivers	Percent
15 & younger	501	0.7
16	3,567	4.8
17	4,007	5.3
18	4,035	5.4
19	3,538	4.7
20-24	13,578	18.1
25-34	17,150	22.9
35-44	10,044	13.4
45-54	5,940	7.9
55-64	5,451	7.3
65-74	4,192	5.6
75 & older	2,998	4.0
Total no. of drivers (age known)	75,001	
Age not stated	3,682	
GRAND TOTAL	78,683	

Note: In 1985 automobile accidents, 63.0 percent of the automobile occupants who were killed or injured were not wearing safety belts, 6.8 percent were wearing safety belts, and safety belt use was unknown or unreported for 30.2 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	51,606	63.8
Turning left	9,195	11.4
Turning right	2,807	3.5
Backing	1,817	2.2
Stopped in traffic	3,900	4.8
Parked	4,888	6.0
Making U-turn	211	8.2
Passing	900	
Changing lanes	1,152	
Merging	457	
Parking	167	
Slowing-stopping	2,539	
Unattended moving vehicle	61	
Other	1,167	
Total no. of vehicles (action stated)	80,867	
Action not stated	2,765	
GRAND TOTAL	83,632	

Note: Total number of vehicles includes parked automobiles involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	53,710	98.8
Brakes	167	
Lights	81	
Steering	48	
Wipers	9	1.2
Tires	159	
Trailer hitch	6	
Other	194	
Total no. of vehicles (defect stated)	54,374	
Defect not stated	29,258	
GRAND TOTAL	83,632	

Fixed Object Struck	Vehicles Striking Objects	Percent
Bridge/overpass	480	4.9
Underpass/bridge support	41	0.4
Building	255	2.6
Culvert	205	2.1
Curb	441	4.5
Ditch	2,450	24.8
Island/raised median	142	1.4
Embankment/retaining wall	291	2.9
Fence	586	5.9
Guardrail	452	4.6
Light pole	827	8.4
Sign post	712	7.2
Tree or shrubbery	676	6.8
Utility pole	877	8.9
Other pole or support	279	2.8
Mailbox	205	2.1
Impact attenuator	51	0.5
Other	905	9.2

11.8% of automobiles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

The Environment

Light	Number of Accidents	Percent
Dawn	573	1.1
Daylight	36,113	66.3
Dusk	2,099	3.9
Darkness (road lighted)	9,042	16.6
Darkness (road unlighted)	6,654	12.2
Total no. of accidents (light stated)	54,481	
Light not stated	411	
GRAND TOTAL	54,892	

Note: Figures indicate number of accidents involving automobiles occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	32,650	59.5
Cloudy	14,198	25.9
Fog	415	0.8
Mist	1,832	3.3
Rain	3,535	6.4
Sleet/hail	577	1.1
Snow	2,776	5.1
Strong wind	681	1.2
Other	182	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Traffic Controls	Number of Accidents	Percent
No controls	37,455	68.3
Traffic signals	7,842	14.3
Stop sign	7,138	13.0
Yield sign	650	
No passing zone (marked)	406	
R.R. warning sign	70	4.3
R.R. automatic signal	61	
R.R. crossing gate	31	
Other	1,159	
Total no. of accidents (control stated)	54,812	
Control not stated	80	
GRAND TOTAL	54,892	

Iowa
Accidents Involving

Automobiles/Pickups With Trailers Or Campers

In 1985 there were:

5 occupants of automobiles/pickups with trailers or campers killed

123 occupants of automobiles/pickups with trailers or campers injured

656 accidents involving automobiles/pickups with trailers or campers

8 fatal accidents involving automobiles/pickups with trailers or campers

191 personal injury accidents involving automobiles/pickups with trailers or campers

457 property damage accidents involving automobiles/pickups with trailers or campers

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	14	2.2**
Improper passing	4	0.6
Left of center, not passing	6	0.9
Failure to yield	24	3.8
Wrong way, one-way road	0	--
Speed too fast	19	3.0
Drag racing	0	--
Improper turn	8	1.3
Improper lane change	7	1.1
Following too close	8	1.3
Improper or no signal	11	1.7
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	1	0.2
Improper backing	3	0.5
Illegal or improper parking	1	0.2
Failure to have control	59	9.2
Lights not on	0	--
Inattentive/distracted	16	2.5
Confused/inexperienced	9	1.4
Vision obscured	36	5.6
Oversized vehicle	4	0.6
Other	38	5.9

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	602	95.6
Drinking - impaired	10	1.6
Drinking - not impaired	10	1.6
Drugs	0	--
Physical defect	0	--
Fatigued	2	0.3
Apparently asleep	2	0.3
Ill	0	--
Under medication	0	--
Infirmities of age	4	0.6
Other	0	--
Total no. of drivers (condition stated)	630	
Condition not stated	9	
GRAND TOTAL	639	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	557	88.0
Female	76	12.0
Total no. of drivers (sex known)	633	
Sex not stated	6	
GRAND TOTAL	639	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	12	1.9
17	9	1.5
18	18	2.9
19	10	1.6
20-24	88	14.2
25-34	157	25.4
35-44	124	20.1
45-54	75	12.1
55-64	65	10.5
65-74	48	7.8
75 & older	12	1.9
Total no. of drivers (age known)	618	
Age not stated	21	
GRAND TOTAL	639	

Note: In 1985 automobile/pickup with trailer or camper accidents, 73.5 percent of the automobile/pickup with trailer or camper occupants who were killed or injured were not wearing safety belts, 7.0 percent were wearing safety belts, and safety belt use was unknown or unreported for 19.5 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	412	64.2
Turning left	70	10.9
Turning right	37	5.8
Backing	20	3.1
Stopped in traffic	25	3.9
Parked	28	4.4
Making U-turn	4	
Passing	8	
Changing lanes	8	
Merging	0	7.8
Parking	1	
Slowing-stopping	17	
Unattended moving vehicle	1	
Other	11	
Total no. of vehicles (action stated)	642	
Action not stated	26	
GRAND TOTAL	668	

Note: Total number of vehicles includes parked automobiles/pickups with trailers or campers.

Vehicle Defect	Number of Vehicles	Percent
None	464	94.9
Brakes	2	
Lights	4	
Steering	0	
Wipers	1	5.1
Tires	5	
Trailer hitch	10	
Other	3	
Total no. of vehicles (defect stated)	489	
Defect not stated	179	
GRAND TOTAL	668	

The Environment

Light	Number of Accidents	Percent
Dawn	3	0.5
Daylight	479	73.4
Dusk	27	4.1
Darkness (road lighted)	62	9.5
Darkness (road unlighted)	82	12.6
Total no. of accidents (light stated)	653	
Light not stated	3	
GRAND TOTAL	656	

Note: Figures indicate number of accidents involving automobiles/pickups with trailers or campers occurring under the conditions indicated.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	7	6.9
Underpass/bridge support	2	2.0
Building	2	2.0
Culvert	1	1.0
Curb	6	5.9
Ditch	38	37.6
Island/raised median	1	1.0
Embankment/retaining wall	3	3.0
Fence	2	2.0
Guardrail	4	4.0
Light pole	8	7.9
Sign post	6	5.9
Tree or shrubbery	4	4.0
Utility pole	6	5.9
Other pole or support	3	3.0
Mailbox	0	--
Impact attenuator	0	--
Other	8	7.9

15.1% of automobiles or pickups with trailers or campers involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Weather	Number of Accidents	Percent
Clear	400	61.0
Cloudy	161	24.5
Fog	13	2.0
Mist	22	3.4
Rain	38	5.8
Sleet/hail	6	0.9
Snow	26	4.0
Strong wind	18	2.7
Other	4	0.6

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Traffic Controls	Number of Accidents	Percent
No controls	510	77.9
Traffic signals	70	10.7
Stop sign	48	7.3
Yield sign	5	
No passing zone (marked)	10	
R.R. warning sign	0	4.1
R.R. automatic signal	1	
R.R. crossing gate	0	
Other	11	
Total no. of accidents (control stated)	655	
Control not stated	1	
GRAND TOTAL	656	

Iowa
Accidents Involving
Buses

In 1985 there were:
- **0 bus occupants killed**
- **27 bus occupants injured**
- **231 accidents involving buses**
  - **1 fatal accident involving buses**
  - **53 personal injury accidents involving buses**
  - **177 property damage accidents involving buses**

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	6	2.7**
Improper passing	2	0.9
Left of center, not passing	1	0.4
Failure to yield	5	2.2
Wrong way, one-way road	0	--
Speed too fast	6	2.7
Drag racing	0	--
Improper turn	4	1.8
Improper lane change	1	0.4
Following too close	6	2.7
Improper or no signal	0	--
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	3	1.3
Illegal or improper parking	1	0.4
Failure to have control	4	1.8
Lights not on	0	--
Inattentive/distracted	5	2.2
Confused/inexperienced	0	--
Vision obscured	9	4.0
Oversized vehicle	0	--
Other	10	4.4

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	224	99.6
Drinking - impaired	0	--
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	1	0.4
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	225	
Condition not stated	1	
GRAND TOTAL	226	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	177	78.7
Female	48	21.3
Total no. of drivers (sex known)	225	
Sex not stated	1	
GRAND TOTAL	226	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	0	--
18	1	0.5
19	4	1.8
20-24	20	9.1
25-34	60	27.3
35-44	51	23.2
45-54	46	20.9
55-64	32	14.5
65-74	6	2.7
75 & older	0	--
Total no. of drivers (age known)	220	
Age not stated	6	
GRAND TOTAL	226	

Note: In 1985 bus accidents, 55.6 percent of the bus occupants who were killed or injured were not wearing safety belts, 14.8 percent were wearing safety belts, and safety belt use was unknown or unreported for 29.6 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	117	52.0
Turning left	27	12.0
Turning right	18	8.0
Backing	10	4.4
Stopped in traffic	16	7.1
Parked	6	2.7
Making U-turn	0	
Passing	0	
Changing lanes	8	
Merging	2	13.8
Parking	0	
Slowing-stopping	15	
Unattended moving vehicle	0	
Other	6	
Total no. of vehicles (action stated)	225	
Action not stated	7	
GRAND TOTAL	232	

Note: Total number of vehicles includes parked buses involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	172	98.3
Brakes	1	
Lights	1	
Steering	0	
Wipers	0	1.7
Tires	0	
Trailer hitch	0	
Other	1	
Total no. of vehicles (defect stated)	175	
Defect not stated	57	
GRAND TOTAL	232	

The Environment

Light	Number of Accidents	Percent
Dawn	3	1.3
Daylight	195	84.8
Dusk	2	0.9
Darkness (road lighted)	24	10.4
Darkness (road unlighted)	6	2.6
Total no. of accidents (light stated)	230	
Light not stated	1	
GRAND TOTAL	231	

Note: Figures indicate number of accidents involving buses occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	130	56.3
Cloudy	70	30.3
Fog	0	--
Mist	8	3.5
Rain	11	4.8
Sleet/hail	1	0.4
Snow	19	8.2
Strong wind	2	0.9
Other	0	--

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	0	--
Underpass/bridge support	0	--
Building	0	--
Culvert	0	--
Curb	1	11.1
Ditch	1	11.1
Island/raised median	0	--
Embankment/retaining wall	0	--
Fence	0	--
Guardrail	0	--
Light pole	2	22.2
Sign post	1	11.1
Tree or shrubbery	2	22.2
Utility pole	1	11.1
Other pole or support	0	--
Mailbox	0	--
Impact attenuator	0	--
Other	1	11.1

3.9% of buses involved in accidents struck fixed objects.
Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	151	65.4
Traffic signals	52	22.5
Stop sign	23	10.0
Yield sign	3	
No passing zone (marked)	0	
R.R. warning sign	0	2.2
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	2	
Total no. of accidents (control stated)	231	
Control not stated		
GRAND TOTAL	231	

Iowa
Accidents Involving
School Buses

In 1985 there were:

0 school bus occupants killed
87 school bus occupants injured
230 accidents involving school buses
2 fatal accidents involving a school bus
53 personal injury accidents involving school buses
175 property damage accidents involving school buses

2 persons were killed in school bus accidents. Of this number, 2 were not school bus occupants.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	5	2.2**
Improper passing	1	0.4
Left of center, not passing	0	--
Failure to yield	10	4.4
Wrong way, one-way road	0	--
Speed too fast	5	2.2
Drag racing	0	--
Improper turn	2	0.9
Improper lane change	3	1.3
Following too close	1	0.4
Improper or no signal	0	--
Disregarded R.R. signal	0	--
Disregarded warning signal	1	0.4
Reckless driving	0	--
Improper backing	4	1.8
Illegal or improper parking	0	--
Failure to have control	7	3.1
Lights not on	0	--
Inattentive/distracted	2	0.9
Confused/inexperienced	2	0.9
Vision obscured	22	9.7
Oversized vehicle	1	0.4
Other	3	1.3

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	225	100.0
Drinking - impaired	0	--
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	225	
Condition not stated	2	
GRAND TOTAL	227	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	133	58.8
Female	93	41.2
Total no. of drivers (sex known)	226	
Sex not stated	1	
GRAND TOTAL	227	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	1	0.5
17	0	--
18	0	--
19	1	0.5
20-24	17	7.7
25-34	56	25.3
35-44	53	24.0
45-54	51	23.1
55-64	31	14.0
65-74	11	5.0
75 & older	0	--
Total no. of drivers (age known)	221	
Age not stated	6	
GRAND TOTAL	227	

Note: In 1985 school bus accidents, 73.1 percent of the school bus occupants who were killed or injured were not wearing safety belts, 4.5 percent were wearing safety belts, and safety belt use was unknown or unreported for 22.4 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	114	50.2
Turning left	33	14.5
Turning right	12	5.3
Backing	11	4.8
Stopped in traffic	29	12.8
Parked	4	1.8
Making U-turn	0	
Passing	3	
Changing lanes	4	
Merging	2	10.6
Parking	1	
Slowing-stopping	10	
Unattended moving vehicle	0	
Other	4	
Total no. of vehicles (action stated)	227	
Action not stated	4	
GRAND TOTAL	231	

Note: Total number of vehicles includes parked school buses involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	162	100.0
Brakes	0	
Lights	0	
Steering	0	
Wipers	0	--
Tires	0	
Trailer hitch	0	
Other	0	
Total no. of vehicles (defect stated)	162	
Defect not stated	69	
GRAND TOTAL	231	

The Environment

Light	Number of Accidents	Percent
Dawn	6	2.6
Daylight	206	90.4
Dusk	3	1.3
Darkness (road lighted)	7	3.1
Darkness (road unlighted)	6	2.6
Total no. of accidents (light stated)	228	
Light not stated	2	
GRAND TOTAL	230	

Note: Figures indicate number of accidents involving school buses occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	122	53.0
Cloudy	73	31.7
Fog	2	0.9
Mist	3	1.3
Rain	13	5.7
Sleet/hail	3	1.3
Snow	19	8.3
Strong wind	4	1.7
Other	3	1.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	2	16.7
Underpass/bridge support	0	--
Building	0	--
Culvert	0	--
Curb	0	--
Ditch	3	25.0
Island/raised median	0	--
Embankment/retaining wall	0	--
Fence	0	--
Guardrail	0	--
Light pole	1	8.3
Sign post	3	25.0
Tree or shrubbery	0	--
Utility pole	0	--
Other pole or support	0	--
Mailbox	0	--
Impact attenuator	1	8.3
Other	2	16.7

5.2% of school buses involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	152	66.4
Traffic signals	24	10.5
Stop sign	42	18.3
Yield sign	3	
No passing zone (marked)	0	
R.R. warning sign	3	4.8
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	5	
Total no. of accidents (control stated)	229	
Control not stated	1	
GRAND TOTAL	230	

Iowa
Accidents Involving
Bicycles

In 1985 there were:

9 bicycle riders killed in bicycle/motor vehicle accidents
582 bicycle riders injured in bicycle/motor vehicle accidents
615 accidents involving bicycles/motor vehicles
9 fatal accidents involving bicycles/motor vehicles
585 personal injury accidents involving bicycles/motor vehicles
21 property damage accidents involving bicycles/-motor vehicles

The Driver Of Motor Vehicle Involved

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	19	3.1**
Improper passing	1	0.2
Left of center, not passing	2	0.3
Failure to yield	40	6.5
Wrong way, one-way road	0	--
Speed too fast	4	0.7
Drag racing	2	0.3
Improper turn	3	0.5
Improper lane change	0	--
Following too close	0	--
Improper or no signal	1	0.2
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	2	0.3
Improper backing	1	0.2
Illegal or improper parking	1	0.2
Failure to have control	5	0.8
Lights not on	0	--
Inattentive/distracted	13	2.1
Confused/inexperienced	5	0.8
Vision obscured	53	8.6
Oversized vehicle	0	--
Other	18	2.9

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	586	98.3
Drinking - impaired	5	0.8
Drinking - not impaired	2	0.3
Drugs	0	--
Physical defect	0	--
Fatigued	1	0.2
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	2	0.3
Other	0	--
Total no. of drivers (condition stated)	596	
Condition not stated	18	
GRAND TOTAL	614	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	338	58.8
Female	237	41.2
Total no. of drivers (sex known)	575	
Sex not stated	39	
GRAND TOTAL	614	

Driver Age	Number of Drivers	Percent
15 & younger	9	1.6
16	24	4.2
17	28	4.9
18	23	4.1
19	21	3.7
20-24	78	13.8
25-34	144	25.4
35-44	71	12.5
45-54	59	10.4
55-64	40	7.1
65-74	42	7.4
75 & older	27	4.8
Total no. of drivers (age known)	566	
Age not stated	48	
GRAND TOTAL	614	

The Motor Vehicle

Vehicle Action	Number of Vehicles	Percent
Going straight	415	68.6
Turning left	82	13.6
Turning right	49	8.1
Backing	8	1.3
Stopped in traffic	8	1.3
Parked	6	1.0
Making U-turn	0	
Passing	13	
Changing lanes	0	
Merging	4	6.1
Parking	2	
Slowing-stopping	9	
Unattended moving vehicle	0	
Other	9	
Total no. of vehicles (action stated)	605	
Action not stated	15	
GRAND TOTAL	620	

Note: Total number of vehicles includes parked motor vehicles involved in bicycle/motor vehicle accidents.

Type of Motor Vehicle Involved in Collision	Number of Vehicles	Percent
Automobile	465	78.2
Automobile/pickup with trailer or camper	3	0.5
Bus	0	--
School bus	1	0.2
Moped	10	1.7
Motorcycle	17	2.9
Farm vehicle	1	0.2
Motor home	0	--
Recreational vehicle	1	0.2
Panel/van/pickup	83	13.9
Straight truck	7	1.2
Tow/maintenance/ construction vehicle	1	0.2
Truck tractor	0	--
Truck tractor with trailer	3	0.5
Other	3	0.5
Total no. of vehicles (vehicle type stated)	595	
Type not stated	25	
GRAND TOTAL	620	

The Environment

Light	Number of Accidents	Percent
Dawn	1	0.2
Daylight	522	85.0
Dusk	27	4.4
Darkness (road lighted)	53	8.6
Darkness (road unlighted)	11	1.8
Total no. of accidents (light stated)	614	
Light not stated	1	
GRAND TOTAL	615	

Note: Figures indicate number of accidents involving bicycle/motor vehicle collisions occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	451	73.3
Cloudy	148	24.1
Fog	1	0.2
Mist	9	1.5
Rain	11	1.8
Sleet/hail	0	--
Snow	3	0.5
Strong wind	1	0.2
Other	0	--

Note: Some accident reports listed more than one type of weather condition. The percentages listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding

Traffic Controls	Number of Accidents	Percent
No controls	454	74.1
Traffic signals	76	12.4
Stop sign	69	11.3
Yield sign	7	2.3
No passing zone (marked)	1	
R.R. warning sign	1	
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	5	
Total no. of accidents (control stated)	613	
Control not stated	2	
GRAND TOTAL	615	

The Bicyclist

Bicyclist Sex	Killed	Injured
Male	8	404
Female	1	144
Total no. of bicyclists (sex known)	9	548
Sex not stated		34
GRAND TOTAL	9	582

Bicyclist Age	Killed	Injured
0-4	0	12
5-9	1	126
10-14	2	208
15-19	3	86
20-24	0	38
25-44	3	65
45-64	0	15
65 & older	0	7
Total no. of bicyclists (age known)	9	557
Age not stated		25
GRAND TOTAL	9	582

Iowa
Accidents Involving
Mopeds

In 1985 there were:

- **0 moped operators or passengers killed**
- **436 moped operators or passengers injured**
- **460 accidents involving mopeds**
  - **0 fatal accidents involving mopeds**
  - **435 personal injury accidents involving mopeds**
  - **25 property damage accidents involving mopeds**

The Operator

Operator Action/ Contributing Circumstances	Number of Operators	Percent
Ran traffic control	12	2.5**
Improper passing	2	0.4
Left of center, not passing	5	1.1
Failure to yield	19	4.0
Wrong way, one-way road	0	--
Speed too fast	7	1.5
Drag racing	0	--
Improper turn	4	0.8
Improper lane change	0	--
Following too close	5	1.1
Improper or no signal	3	0.6
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	7	1.5
Improper backing	0	--
Illegal or improper parking	2	0.4
Failure to have control	49	10.4
Lights not on	3	0.6
Inattentive/distracted	23	4.9
Confused/inexperienced	26	5.5
Vision obscured	11	2.3
Oversized vehicle	0	--
Other	23	4.9

Note: From 0-2 actions/circumstances are listed for each operator involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Operator Condition	Number of Operators	Percent
Apparently normal	447	98.0
Drinking - impaired	2	0.4
Drinking - not impaired	2	0.4
Drugs	0	--
Physical defect	1	0.2
Fatigued	0	--
Apparently asleep	0	--
Ill	1	0.2
Under medication	0	--
Infirmities of age	2	0.4
Other	1	0.2
Total no. of operators (condition stated)	456	
Condition not stated	15	
GRAND TOTAL	471	

Note: Total percent may not equal 100 due to rounding.

Operator Sex	Number of Operators	Percent
Male	327	70.0
Female	140	30.0
Total no. of operators (sex known)	467	
Sex not stated	4	
GRAND TOTAL	471	

Operator Age	Number of Operators	Percent
15 & younger	302	65.4
16	42	9.1
17	19	4.1
18	13	2.8
19	3	0.6
20-24	11	2.4
25-34	20	4.3
35-44	22	4.8
45-54	11	2.4
55-64	7	1.5
65-74	11	2.4
75 & older	1	0.2
Total no. of drivers (age known)	462	
Age not stated	9	
GRAND TOTAL	471	

Note: In 1985 moped accidents, 84.0 percent of the moped riders who were killed or injured were not wearing helmets, 4.8 percent were wearing helmets, and helmet use was unknown or unreported for 11.2 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	349	75.7
Turning left	59	12.8
Turning right	32	6.9
Backing	1	0.2
Stopped in traffic	2	0.4
Parked	2	0.4
Making U-turn	1	3.5
Passing	2	
Changing lanes	1	
Merging	1	
Parking	1	
Slowing-stopping	5	
Unattended moving vehicle	0	
Other	5	
Total no. of vehicles (action stated)	461	
Action not stated	12	
GRAND TOTAL	473	

Note: Total number of vehicles includes parked mopeds involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	380	96.9
Brakes	8	
Lights	3	
Steering	0	3.1
Tires	0	
Other	1	
Total no. of vehicles (defect stated)	392	
Defect not stated	81	
GRAND TOTAL	473	

The Environment

Light	Number of Accidents	Percent
Dawn	3	0.7
Daylight	365	79.5
Dusk	26	5.7
Darkness (road lighted)	53	11.5
Darkness (road unlighted)	12	2.6
Total no. of accidents (light stated)	459	
Light not stated	1	
GRAND TOTAL	460	

Note: Figures indicate number of accidents involving mopeds occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	353	76.7
Cloudy	83	18.0
Fog	2	0.4
Mist	7	1.5
Rain	17	3.7
Sleet/hail	0	--
Snow	1	0.2
Strong wind	2	0.4
Other	1	0.2

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	0	--
Underpass/bridge support	1	2.7
Building	0	--
Culvert	1	2.7
Curb	9	24.3
Ditch	3	8.1
Island/raised median	0	--
Embankment/retaining wall	0	--
Fence	1	2.7
Guardrail	2	5.4
Light pole	2	5.4
Sign post	2	5.4
Tree or shrubbery	3	8.1
Utility pole	0	--
Other pole or support	1	2.7
Mailbox	0	--
Impact attenuator	0	--
Other	12	32.4

7.8% of mopeds involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	391	85.2
Traffic signals	28	6.1
Stop sign	26	5.7
Yield sign	5	
No passing zone (marked)	1	
R.R. warning sign	1	3.1
R.R. automatic signal	1	
R.R. crossing gate	0	
Other	6	
Total no. of accidents (control stated)	459	
Control not stated	1	
GRAND TOTAL	460	

Iowa
Accidents Involving
Motorcycles

In 1985 there were:
- **57 motorcycle operators or passengers killed**
- **1,915 motorcycle operators or passengers injured**
- **2,040 accidents involving motorcycles**
  - **54 fatal accidents involving motorcycles**
  - **1,678 personal injury accidents involving motorcycles**
  - **308 property damage accidents involving motorcycles**

The Operator

Operator Action/ Contributing Circumstances	Number of Operators	Percent
Ran traffic control	28	1.4**
Improper passing	46	2.2
Left of center, not passing	17	0.8
Failure to yield	44	2.1
Wrong way, one-way road	2	0.1
Speed too fast	148	7.2
Drag racing	8	0.4
Improper turn	6	0.3
Improper lane change	5	0.2
Following too close	26	1.3
Improper or no signal	4	0.2
Disregarded R.R. sign	0	--
Disregarded warning signal	4	0.2
Reckless driving	20	1.0
Improper backing	0	--
Illegal or improper parking	1	*
Failure to have control	394	19.2
Lights not on	4	0.2
Inattentive/distracted	65	3.2
Confused/inexperienced	53	2.6
Vision obscured	53	2.6
Oversized vehicle	2	0.1
Other	85	4.1

Note: From 0-2 actions/circumstances are listed for each operator involved in an accident.

*Less than one-tenth of one percent.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Operator Condition	Number of Operators	Percent
Apparently normal	1,704	87.3
Drinking - impaired	143	7.3
Drinking - not impaired	87	4.5
Drugs	0	--
Physical defect	2	0.1
Fatigued	3	0.2
Apparently asleep	1	0.1
Ill	0	--
Under medication	1	0.1
Infirmities of age	1	0.1
Other	10	0.5
Total no. of operators (condition stated)	1,952	
Condition not stated	99	
GRAND TOTAL	2,051	

Note: Total percent may not equal 100 due to rounding.

Operator Sex	Number of Operators	Percent
Male	1,972	97.0
Female	61	3.0
Total no. of operators (sex known)	2,033	
Sex not stated	18	
GRAND TOTAL	2,051	

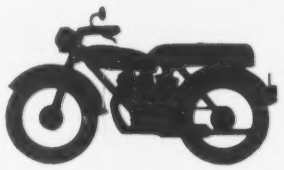
Operator Age	Number of Operators	Percent
15 & younger	51	2.5
16	65	3.2
17	97	4.8
18	152	7.6
19	150	7.5
20-24	648	32.3
25-34	536	26.7
35-44	189	9.4
45-54	73	3.6
55-64	29	1.4
65-74	14	0.7
75 & older	3	0.1
Total no. of operators (age known)	2,007	
Age not stated	44	
GRAND TOTAL	2,051	

Note: In 1985 motorcycle accidents, 75.7 percent of the motorcycle riders who were killed or injured were not wearing helmets, 13.2 percent were wearing helmets, and helmet use was unknown or unreported for 11.1 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	1,561	76.9
Turning left	143	7.0
Turning right	82	4.0
Backing	2	0.1
Stopped in traffic	26	1.3
Parked	27	1.3
Making U-turn	5	
Passing	62	
Changing lanes	20	9.4
Merging	9	
Parking	1	
Slowing-stopping	34	
Unattended moving vehicle	0	
Other	59	
Total no. of vehicles (action stated)	2,031	
Action not stated	47	
GRAND TOTAL	2,078	

Note: Total number of vehicles includes parked motorcycles involved in accidents.



Vehicle Defect	Number of Vehicles	Percent
None	1,548	97.2
Brakes	8	
Lights	6	
Steering	4	2.8
Tires	15	
Other	12	
Total no. of vehicles (defect stated)	1,593	
Defect not stated	485	
GRAND TOTAL	2,078	

The Environment

Light	Number of Accidents	Percent
Dawn	14	0.7
Daylight	1,306	64.2
Dusk	81	4.0
Darkness (road lighted)	387	19.0
Darkness (road unlighted)	245	12.1
Total no. of accidents (light stated)	2,033	
Light not stated	7	
GRAND TOTAL	2,040	

Note: Figures indicate number of accidents involving motorcycles occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	1,568	76.9
Cloudy	398	19.5
Fog	4	0.2
Mist	19	0.9
Rain	45	2.2
Sleet/hail	3	0.1
Snow	2	0.1
Strong wind	14	0.7
Other	7	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	2	0.5
Underpass/bridge support	1	0.2
Building	4	1.0
Culvert	3	0.7
Curb	92	22.3
Ditch	128	31.0
Island/raised median	18	4.4
Embankment/retaining wall	14	3.4
Fence	15	3.6
Guardrail	12	2.9
Light pole	8	1.9
Sign post	24	5.8
Tree or shrubbery	21	5.1
Utility pole	7	1.7
Other pole or support	4	1.0
Mailbox	9	2.2
Impact attenuator	1	0.2
Other	50	12.1

19.9% of motorcycles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	1,659	81.4
Traffic signals	175	8.6
Stop sign	91	4.5
Yield sign	11	
No passing zone (marked)	22	
R.R. warning sign	3	5.5
R.R. automatic signal	4	
R.R. crossing gate	1	
Other	71	
Total no. of accidents (control stated)	2,037	
Control not stated	3	
GRAND TOTAL	2,040	

Iowa
Accidents Involving
Farm Vehicles

In 1985 there were:

9 farm vehicle occupants killed
54 farm vehicle occupants injured
301 accidents involving farm vehicles
11 fatal accidents involving farm vehicles
101 personal injury accidents involving farm vehicles
189 property damage accidents involving farm vehicles

11 persons were killed in farm vehicle accidents. Of this number, 2 (18.2 percent) were not farm vehicle occupants.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	8	2.7**
Improper passing	0	--
Left of center, not passing	5	1.7
Failure to yield	18	6.1
Wrong way, one-way road	0	--
Speed too fast	3	1.0
Drag racing	0	--
Improper turn	5	1.7
Improper lane change	2	0.7
Following too close	0	--
Improper or no signal	11	3.7
Disregarded R.R. signal	1	0.3
Disregarded warning signal	0	--
Reckless driving	1	0.3
Improper backing	2	0.7
Illegal or improper parking	1	0.3
Failure to have control	16	5.4
Lights not on	0	--
Inattentive/distracted	4	1.4
Confused/inexperienced	0	--
Vision obscured	21	7.1
Oversized vehicle	6	2.0
Other	18	6.1

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	284	97.6
Drinking - impaired	4	1.4
Drinking - not impaired	1	0.3
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	1	0.3
Other	1	0.3
Total no. of drivers (condition stated)	291	
Condition not stated	4	
GRAND TOTAL	295	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	281	96.9
Female	9	3.1
Total no. of drivers (sex known)	290	
Sex not stated	5	
GRAND TOTAL	295	

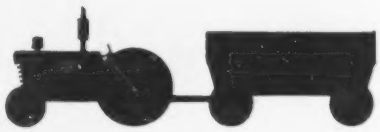
Driver Age	Number of Drivers	Percent
15 & younger	8	2.9
16	5	1.8
17	4	1.4
18	5	1.8
19	4	1.4
20-24	30	10.8
25-34	76	27.4
35-44	42	15.2
45-54	28	10.1
55-64	40	14.4
65-74	30	10.8
75 & older	5	1.8
Total no. of drivers (age known)	277	
Age not stated	18	
GRAND TOTAL	295	

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	168	57.1
Turning left	80	27.2
Turning right	10	3.4
Backing	3	1.0
Stopped in traffic	10	3.4
Parked	8	2.7
Making U-turn	2	
Passing	1	
Changing lanes	2	
Merging	0	5.1
Parking	0	
Slowing-stopping	4	
Unattended moving vehicle	0	
Other	6	
Total no. of vehicles (action stated)	294	
Action not stated	9	
GRAND TOTAL	303	

Note: Total number of vehicles includes parked farm vehicles involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	216	93.9
Brakes	0	
Lights	5	
Steering	0	
Wipers	0	6.1
Tires	1	
Trailer hitch	2	
Other	6	
Total no. of vehicles (defect stated)	230	
Defect not stated	73	
GRAND TOTAL	303	



The Environment

Light	Number of Accidents	Percent
Dawn	1	0.3
Daylight	239	79.4
Dusk	11	3.7
Darkness (road lighted)	3	1.0
Darkness (road unlighted)	47	15.6
Total no. of accidents (light stated)	301	
Light not stated	--	
GRAND TOTAL	301	

Note: Figures indicate number of accidents involving farm vehicles occurring under the conditions indicated.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	5	14.7
Underpass/bridge support	0	--
Building	1	2.9
Culvert	1	2.9
Curb	1	2.9
Ditch	15	44.1
Island/raised median	0	--
Embankment/retaining wall	1	2.9
Fence	2	5.9
Guardrail	2	5.9
Light pole	1	2.9
Sign post	0	--
Tree or shrubbery	1	2.9
Utility pole	2	5.9
Other pole or support	0	--
Mailbox	1	2.9
Impact attenuator	0	--
Other	1	2.9

11.2% of farm vehicles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Weather	Number of Accidents	Percent
Clear	210	69.8
Cloudy	68	22.6
Fog	3	1.0
Mist	8	2.7
Rain	8	2.7
Sleet/hail	0	--
Snow	8	2.7
Strong wind	5	1.7
Other	1	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Traffic Controls	Number of Accidents	Percent
No controls	262	87.6
Traffic signals	3	1.0
Stop sign	16	5.4
Yield sign	1	
No passing zone (marked)	4	
R.R. warning sign	1	6.0
R.R. automatic signal	1	
R.R. crossing gate	0	
Other	11	
Total no. of accidents (control stated)	299	
Control not stated	2	
GRAND TOTAL	301	

Iowa
Accidents Involving
Motor Homes

In 1985 there were:
- **0 motor home occupants killed**
- **7 motor home occupants injured**
- **49 accidents involving motor homes**
  - **0 fatal accidents involving motor homes**
  - **10 personal injury accidents involving motor homes**
  - **39 property damage accidents involving motor homes**

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	0	--
Improper passing	1	2.2
Left of center, not passing	0	--
Failure to yield	0	--
Wrong way, one-way road	0	--
Speed too fast	4	8.9
Drag racing	0	--
Improper turn	1	2.2
Improper lane change	2	4.4
Following too close	1	2.2
Improper or no signal	0	--
Disregarded R.R. signal	0	--
Disregarded warning signal	1	2.2
Reckless driving	0	--
Improper backing	2	4.4
Illegal or improper parking	1	2.2
Failure to have control	2	4.4
Lights not on	0	--
Inattentive/distracted	2	4.4
Confused/inexperienced	0	--
Vision obscured	1	2.2
Oversized vehicle	0	--
Other	1	2.2

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

Driver Condition	Number of Drivers	Percent
Apparently normal	43	95.6
Drinking - impaired	2	4.4
Drinking - not impaired	0	--
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	0	--
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	45	
Condition not stated	--	
GRAND TOTAL	45	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	42	93.3
Female	3	6.7
Total no. of drivers (sex known)	45	
Sex not stated	--	
GRAND TOTAL	45	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	0	--
18	0	--
19	0	--
20-24	2	4.7
25-34	5	11.6
35-44	8	18.6
45-54	7	16.3
55-64	7	16.3
65-74	12	27.9
75 & older	2	4.7
Total no. of drivers (age known)	43	
Age not stated	2	
GRAND TOTAL	45	

Note: In 1985 motor home accidents, 57.1 percent of the motor home occupants who were injured were not wearing safety belts, 28.6 percent were wearing safety belts, and safety belt use was unknown or unreported for 14.3 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	27	57.4
Turning left	2	4.3
Turning right	3	6.4
Backing	2	4.3
Stopped in traffic	0	--
Parked	4	8.5
Making U-turn	0	
Passing	1	
Changing lanes	2	
Merging	2	19.1
Parking	1	
Slowing-stopping	2	
Unattended moving vehicle	0	
Other	1	
Total no. of vehicles (action stated)	47	
Action not stated	2	
GRAND TOTAL	49	

Note: Total number of vehicles includes parked motor homes involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	36	97.3
Brakes	0	
Lights	0	
Steering	0	
Wipers	0	2.7
Tires	0	
Trailer hitch	0	
Other	1	
Total no. of vehicles (defect stated)	37	
Defect not stated	12	
GRAND TOTAL	49	

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	1	20.0
Underpass/bridge support	1	20.0
Building	0	--
Culvert	0	--
Curb	0	--
Ditch	2	40.0
Island/raised median	0	--
Embankment/retaining wall	0	--
Fence	0	--
Guardrail	0	--
Light pole	0	--
Sign post	0	--
Tree or shrubbery	0	--
Utility pole	0	--
Other pole or support	0	--
Mailbox	0	--
Impact attenuator	0	--
Other	1	20.0

10.2% of motor homes involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

The Environment

Light	Number of Accidents	Percent
Dawn	0	--
Daylight	38	77.6
Dusk	2	4.1
Darkness (road lighted)	7	14.3
Darkness (road unlighted)	2	4.1
Total no. of accidents (light stated)	49	
Light not stated	--	
GRAND TOTAL	49	

Note: Figures indicate number of accidents involving motor homes occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	33	67.3
Cloudy	11	22.4
Fog	0	--
Mist	1	2.0
Rain	2	4.1
Sleet/hail	0	--
Snow	2	4.1
Strong wind	2	4.1
Other	0	--

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Traffic Controls	Number of Accidents	Percent
No controls	34	69.4
Traffic signals	6	12.2
Stop sign	3	6.1
Yield sign	0	
No passing zone (marked)	1	
R.R. warning sign	0	12.2
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	5	
Total no. of accidents (control stated)	49	
Control not stated	--	
GRAND TOTAL	49	

Iowa
Accidents Involving
Recreational Vehicles

In 1985 there were:

1 recreational vehicle occupant killed
112 recreational vehicle occupants injured
310 accidents involving recreational vehicles
4 fatal accidents involving recreational vehicles
115 personal injury accidents involving recreational vehicles
191 property damage accidents involving recreational vehicles

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	16	5.4**
Improper passing	6	2.0
Left of center, not passing	2	0.7
Failure to yield	22	7.4
Wrong way, one-way road	0	--
Speed too fast	19	6.4
Drag racing	0	--
Improper turn	6	2.0
Improper lane change	2	0.7
Following too close	3	1.0
Improper or no signal	1	0.3
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	3	1.0
Improper backing	2	0.7
Illegal or improper parking	0	--
Failure to have control	43	14.4
Lights not on	0	--
Inattentive/distracted	15	5.0
Confused/inexperienced	4	1.3
Vision obscured	13	4.4
Oversized vehicle	0	--
Other	11	3.7

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	271	93.4
Drinking - impaired	9	3.1
Drinking - not impaired	8	2.8
Drugs	0	--
Physical defect	0	--
Fatigued	1	0.3
Apparently asleep	1	0.3
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	290	
Condition not stated	8	
GRAND TOTAL	298	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	222	75.5
Female	72	24.5
Total no. of drivers (sex known)	294	
Sex not stated	4	
GRAND TOTAL	298	

Driver Age	Number of Drivers	Percent
15 & younger	10	3.4
16	17	5.8
17	10	3.4
18	13	4.5
19	9	3.1
20-24	39	13.4
25-34	79	27.1
35-44	46	15.8
45-54	40	13.7
55-64	16	5.5
65-74	11	3.8
75 & older	1	0.3
Total no. of drivers (age known)	291	
Age not stated	7	
GRAND TOTAL	298	

Note: In 1985 recreational vehicle accidents, 73.4 percent of the recreational vehicle occupants who were killed or injured were not wearing safety belts, 7.1 percent were wearing safety belts, and safety belt use was unknown or unreported for 19.5 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	187	60.3
Turning left	35	11.3
Turning right	16	5.2
Backing	9	2.9
Stopped in traffic	16	5.2
Parked	16	5.2
Making U-turn	2	
Passing	4	
Changing lanes	5	
Merging	1	10.0
Parking	1	
Slowing-stopping	11	
Unattended moving vehicle	2	
Other	5	
Total no. of vehicles (action stated)	310	
Action not stated	6	
GRAND TOTAL	316	

Note: Total number of vehicles includes parked recreational vehicles involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	235	96.7
Brakes	2	
Lights	1	
Steering	0	
Wipers	0	3.3
Tires	2	
Trailer hitch	2	
Other	1	
Total no. of vehicles (defect stated)	243	
Defect not stated	73	
GRAND TOTAL	316	

The Environment

Light	Number of Accidents	Percent
Dawn	2	0.6
Daylight	212	68.6
Dusk	12	3.9
Darkness (road lighted)	46	14.9
Darkness (road unlighted)	37	12.0
Total no. of accidents (light stated)	309	
Light not stated	1	
GRAND TOTAL	310	

Note: Figures indicate number of accidents involving recreational vehicles occurring under the conditions indicated.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	3	5.4
Underpass/bridge support	0	--
Building	0	--
Culvert	2	3.6
Curb	1	1.8
Ditch	17	30.4
Island/raised median	1	1.8
Embankment/retaining wall	2	3.6
Fence	0	--
Guardrail	2	3.6
Light pole	7	12.5
Sign post	0	--
Tree or shrubbery	8	14.3
Utility pole	3	5.4
Other pole or support	2	3.6
Mailbox	0	--
Impact attenuator	0	--
Other	8	14.3

17.7% of recreational vehicles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Weather	Number of Accidents	Percent
Clear	172	55.5
Cloudy	91	29.4
Fog	0	--
Mist	7	2.3
Rain	19	6.1
Sleet/hail	1	0.3
Snow	20	6.5
Strong wind	5	1.6
Other	1	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Traffic Controls	Number of Accidents	Percent
No controls	213	68.7
Traffic signals	46	14.8
Stop sign	36	11.6
Yield sign	3	
No passing zone (marked)	5	
R.R. warning sign	0	4.8
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	7	
Total no. of accidents (control stated)	310	
Control not stated	--	
GRAND TOTAL	310	

Iowa
Accidents Involving
Trains

In 1985 there were:

12 persons killed in train/motor vehicle accidents
80 persons injured in train/motor vehicle accidents
141 train/motor vehicle accidents involving 141 trains and 145 vehicles
10 fatal accidents involving trains/motor vehicles
52 personal injury accidents involving trains/motor vehicles
79 property damage accidents involving trains/motor vehicles

(All figures apply to train/motor vehicle accidents at public crossings. Private crossing accident information is not included. All 12 persons killed were motor vehicle drivers, riders or occupants.)

The Driver Of Motor Vehicle Involved

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	6	4.3**
Improper passing	1	0.7
Left of center, not passing	0	--
Failure to yield	7	5.0
Wrong way, one-way road	0	--
Speed too fast	7	5.0
Drag racing	0	--
Improper turn	0	--
Improper lane change	0	--
Following too close	0	--
Improper or no signal	1	0.7
Disregarded R.R. signal	31	22.0
Disregarded warning signal	4	2.8
Reckless driving	0	--
Improper backing	0	--
Illegal or improper parking	0	--
Failure to have control	13	9.2
Lights not on	0	--
Inattentive/distracted	12	8.5
Confused/inexperienced	3	2.1
Vision obscured	12	8.5
Oversized vehicle	0	--
Other	12	8.5

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	124	89.9
Drinking - impaired	9	6.5
Drinking - not impaired	3	2.2
Drugs	0	--
Physical defect	0	--
Fatigued	1	0.7
Apparently asleep	1	0.7
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	138	
Condition not stated	3	
GRAND TOTAL	141	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	107	77.0
Female	32	23.0
Total no. of drivers (sex known)	139	
Sex not stated	2	
GRAND TOTAL	141	

Driver Age	Number of Drivers	Percent
15 & younger	1	0.7
16	9	6.5
17	6	4.3
18	12	8.6
19	8	5.8
20-24	26	18.7
25-34	28	20.1
35-44	20	14.4
45-54	13	9.4
55-64	11	7.9
65-74	3	2.2
75 & older	2	1.4
Total no. of drivers (age known)	139	
Age not stated	2	
GRAND TOTAL	141	

Note: In 1985 train/motor vehicle accidents, 77.3 percent of the motor vehicle occupants who were killed or injured were not wearing safety belts, 5.7 percent were wearing safety belts, and safety belt use was unknown or unreported for 17.0 percent of those killed or injured.

The Motor Vehicle

Vehicle Action	Number of Vehicles	Percent
Going straight	127	87.6
Turning left	0	--
Turning right	3	2.1
Backing	1	0.7
Stopped in traffic	4	2.8
Parked	4	2.8
Making U-turn	0	
Passing	0	
Changing lanes	0	
Merging	0	4.1
Parking	0	
Slowing-stopping	1	
Unattended moving vehicle	0	
Other	5	
Total no. of vehicles (action stated)	145	
Action not stated	--	
GRAND TOTAL	145	

Note: Total number of vehicles includes parked motor vehicles involved in train/motor vehicle accidents.

Vehicle Defect	Number of Vehicles	Percent
None	103	97.2
Brakes	1	
Lights	0	
Steering	0	
Wipers	0	2.8
Tires	1	
Trailer hitch	0	
Other	1	
Total no. of vehicles (defect stated)	106	
Defect not stated	39	
GRAND TOTAL	145	

Type of Motor Vehicle Involved in Collision	Number of Vehicles	Percent
Automobile	89	61.4
Automobile/pickup with trailer or camper	1	0.7
Bus	0	--
School bus	0	--
Moped	0	--
Motorcycle	1	0.7
Farm vehicle	2	1.4
Motor home	1	0.7
Recreational vehicle	0	--
Panel/van/pickup	35	24.1
Straight truck	4	2.8
Tow/maintenance/ construction vehicles	3	2.1
Truck tractor	1	0.7
Truck tractor with trailer	5	3.4
Other	3	2.1
Total no. of vehicles (vehicle type stated)	145	
Type not stated	--	
GRAND TOTAL	145	

The Environment

Light	Number of Accidents	Percent
Dawn	4	2.9
Daylight	73	52.1
Dusk	1	0.7
Darkness (road lighted)	39	27.9
Darkness (road unlighted)	23	16.4
Total no. of accidents (light stated)	140	
Light not stated	1	
GRAND TOTAL	141	

Note: Figures indicate number of accidents involving train/motor vehicle collisions occurring under the conditions indicated.

Total percent may not equal 100 due to rounding.

Weather	Number of Accidents	Percent
Clear	77	54.6
Cloudy	49	34.8
Fog	6	4.3
Mist	5	3.5
Rain	5	3.5
Sleet/hail	0	--
Snow	4	2.8
Strong wind	2	1.4
Other	2	1.4

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Traffic Controls	Number of Accidents	Percent
No controls	16	11.3
Traffic signals	1	0.7
Stop sign	6	4.3
Yield sign	0	--
No passing zone (marked)	0	--
R.R. warning sign	53	37.6
R.R. automatic signal	39	27.7
R.R. crossing gate	17	12.1
Other	9	6.4
Total no. of accidents (control stated)	141	
Control not stated	--	
GRAND TOTAL	141	

Iowa
Accidents Involving
Panels/Vans/Pickups

In 1985 there were:

62 panel/van/pickup occupants killed
3,016 panel/van/pickup occupants injured
15,204 accidents involving panels/vans/pickups
97 fatal accidents involving panels/vans/pickups
4,035 personal injury accidents involving panels/vans/pickups
11,072 property damage accidents involving panels/-vans/pickups

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	644	4.2**
Improper passing	109	0.7
Left of center, not passing	148	1.0
Failure to yield	657	4.3
Wrong way, one-way road	7	*
Speed too fast	560	3.6
Drag racing	1	*
Improper turn	107	0.7
Improper lane change	130	0.8
Following too close	220	1.4
Improper or no signal	50	0.3
Disregarded R.R. signal	8	0.1
Disregarded warning signal	10	0.1
Reckless driving	72	0.5
Improper backing	217	1.4
Illegal or improper parking	35	0.2
Failure to have control	1,533	10.0
Lights not on	12	0.1
Inattentive/distracted	484	3.1
Confused/inexperienced	120	0.8
Vision obscured	760	4.9
Oversized vehicle	5	*
Other	491	3.2

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than one-tenth of one percent.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	13,918	93.0
Drinking - impaired	566	3.8
Drinking - not impaired	279	1.9
Drugs	4	*
Physical defect	15	0.1
Fatigued	42	0.3
Apparently asleep	78	0.5
Ill	7	*
Under medication	9	0.1
Infirmities of age	28	0.2
Other	22	0.1
Total no. of drivers (condition stated)	14,968	
Condition not stated	437	
GRAND TOTAL	15,405	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	13,011	85.9
Female	2,135	14.1
Total no. of drivers (sex known)	15,146	
Sex not stated	259	
GRAND TOTAL	15,405	

Driver Age	Number of Drivers	Percent
15 & younger	83	0.6
16	476	3.2
17	465	3.2
18	496	3.4
19	466	3.2
20-24	2,501	17.0
25-34	4,152	28.3
35-44	2,445	16.7
45-54	1,545	10.5
55-64	1,218	8.3
65-74	603	4.1
75 & older	222	1.5
Total no. of drivers (age known)	14,672	
Age not stated	733	
GRAND TOTAL	15,405	

Note: In 1985 panel/van/pickup accidents, 68.7 percent of the panel/van/pickup occupants who were killed or injured were not wearing safety belts, 5.0 percent were wearing safety belts, and safety belt use was unknown or unreported for 26.3 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	10,074	62.8
Turning left	1,663	10.4
Turning right	604	3.8
Backing	636	4.0
Stopped in traffic	734	4.6
Parked	1,057	6.6
Making U-turn	43	
Passing	182	
Changing lanes	227	
Merging	58	8.0
Parking	48	
Slowing-stopping	436	
Unattended moving vehicle	31	
Other	256	
Total no. of vehicles (action stated)	16,049	
Action not stated	444	
GRAND TOTAL	16,493	

Note: Total number of vehicles includes parked panels/vans/pickups involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	11,494	98.3
Brakes	50	
Lights	20	
Steering	18	
Wipers	1	1.7
Tires	38	
Trailer hitch	9	
Other	57	
Total no. of vehicles (defect stated)	11,687	
Defect not stated	4,806	
GRAND TOTAL	16,493	

The Environment

Light	Number of Accidents	Percent
Dawn	175	1.2
Daylight	10,275	67.9
Dusk	550	3.6
Darkness (road lighted)	2,290	15.1
Darkness (road unlighted)	1,842	12.2
Total no. of accidents (light stated)	15,132	
Light not stated	72	
GRAND TOTAL	15,204	

Note: Figures indicate number of accidents involving panels/vans/pickups occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	8,796	57.9
Cloudy	4,228	27.8
Fog	135	0.9
Mist	522	3.4
Rain	927	6.1
Sleet/hail	163	1.1
Snow	857	5.6
Strong wind	211	1.4
Other	48	0.3

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	99	4.3
Underpass/bridge support	9	0.4
Building	59	2.6
Culvert	65	2.8
Curb	87	3.8
Ditch	699	30.4
Island/raised median	14	0.6
Embankment/retaining wall	71	3.1
Fence	149	6.5
Guardrail	81	3.5
Light pole	164	7.1
Sign post	158	6.9
Tree or shrubbery	181	7.9
Utility pole	170	7.4
Other pole or support	42	1.8
Mailbox	48	2.1
Impact attenuator	12	0.5
Other	194	8.4

14.0% of panels/vans/pickups involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	11,125	73.3
Traffic signals	1,915	12.6
Stop sign	1,545	10.2
Yield sign	146	
No passing zone (marked)	106	
R.R. warning sign	26	3.9
R.R. automatic signal	20	
R.R. crossing gate	5	
Other	294	
Total no. of accidents (control stated)	15,182	
Control not stated	22	
GRAND TOTAL	15,204	

Iowa
Accidents Involving
Straight Trucks

In 1985 there were:

4 straight truck occupants killed
158 straight truck occupants injured
1,431 accidents involving straight trucks
16 fatal accidents involving straight trucks
378 personal injury accidents involving straight trucks
1,037 property damage accidents involving straight trucks

16 persons were killed in straight truck accidents. Of this number 12 (75.0 percent) were not straight truck occupants.

The Driver

Driver Action/ Contributing Circumstance	Number of Drivers	Percent
Ran traffic control	54	3.9**
Improper passing	8	0.6
Left of center, not passing	12	0.9
Failure to yield	51	3.6
Wrong way, one-way road	0	--
Speed too fast	36	2.6
Drag racing	0	--
Improper turn	16	1.1
Improper lane change	26	1.9
Following too close	22	1.6
Improper or no signal	13	0.9
Disregarded R.R. signal	0	--
Disregarded warning signal	1	0.1
Reckless driving	2	0.1
Improper backing	23	1.6
Illegal or improper parking	1	0.1
Failure to have control	100	7.1
Lights not on	1	0.1
Inattentive/distracted	25	1.8
Confused/inexperienced	8	0.6
Vision obscured	94	6.7
Oversized vehicle	6	0.4
Other	67	4.8

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	1,357	98.3
Drinking - impaired	8	0.6
Drinking - not impaired	3	0.2
Drugs	1	0.1
Physical defect	0	--
Fatigued	4	0.3
Apparently asleep	8	0.6
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	1,381	
Condition not stated	18	
GRAND TOTAL	1,399	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	1,342	97.3
Female	37	2.7
Total no. of drivers (sex known)	1,379	
Sex not stated	20	
GRAND TOTAL	1,399	

Driver Age	Number of Drivers	Percent
15 & younger	1	0.1
16	5	0.4
17	4	0.3
18	15	1.1
19	31	2.3
20-24	226	16.8
25-34	453	33.7
35-44	246	18.3
45-54	184	13.7
55-64	131	9.7
65-74	41	3.0
75 & older	9	0.7
Total no. of drivers (age known)	1,346	
Age not stated	53	
GRAND TOTAL	1,399	

Note: In 1985 straight truck accidents, 88.5 percent of the straight truck occupants who were killed or injured were not wearing safety belts, 8.2 percent were wearing safety belts, and safety belt use was unknown or unreported for 25.3 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	832	58.1
Turning left	157	11.0
Turning right	99	6.9
Backing	77	5.4
Stopped in traffic	53	3.7
Parked	53	3.7
Making U-turn	3	
Passing	26	
Changing lanes	27	
Merging	11	11.2
Parking	5	
Slowing-stopping	49	
Unattended moving vehicle	9	
Other	31	
Total no. of vehicles (action stated)	1,432	
Action not stated	29	
GRAND TOTAL	1,461	

Note: Total number of vehicles includes parked straight trucks involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	1,074	94.2
Brakes	25	
Lights	10	
Steering	0	
Wipers	1	5.8
Tires	14	
Trailer hitch	3	
Other	13	
Total no. of vehicles (defect stated)	1,140	
Defect not stated	321	
GRAND TOTAL	1,461	

The Environment

Light	Number of Accidents	Percent
Dawn	15	1.1
Daylight	1,235	86.7
Dusk	25	1.8
Darkness (road lighted)	76	5.3
Darkness (road unlighted)	73	5.1
Total no. of accidents (light stated)	1,424	
Light not stated	7	
GRAND TOTAL	1,431	

Note: Figures indicate number of accidents involving straight trucks occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	859	60.0
Cloudy	405	28.3
Fog	9	0.6
Mist	36	2.5
Rain	77	5.4
Sleet/hail	10	0.7
Snow	64	4.5
Strong wind	29	2.0
Other	2	0.1

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent not equal to 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	15	7.5
Underpass/bridge support	3	1.5
Building	6	3.0
Culvert	6	3.0
Curb	3	1.5
Ditch	87	43.5
Island/raised median	4	2.0
Embankment/retaining wall	2	1.0
Fence	9	4.5
Guardrail	10	5.0
Light pole	6	3.0
Sign post	6	3.0
Tree or shrubbery	2	1.0
Utility pole	12	6.0
Other pole or support	5	2.5
Mailbox	3	1.5
Impact attenuator	1	0.5
Other	20	10.0

13.7% of straight trucks involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	1,011	70.7
Traffic signals	184	12.9
Stop sign	155	10.8
Yield sign	10	
No passing zone (marked)	23	
R.R. warning sign	3	5.5
R.R. automatic signal	2	
R.R. crossing gate	1	
Other	40	
Total no. of accidents (control stated)	1,429	
Control not stated	2	
GRAND TOTAL	1,431	

Iowa
Accidents Involving

Tow/Maintenance/ Construction Vehicles

In 1985 there were:
- **0 tow/maintenance/construction vehicle occupants killed**
- **38 tow/maintenance/construction vehicle occupants injured**
- **524 accidents involving tow/maintenance/construction vehicles**
  - **2 fatal accidents involving tow/maintenance/ construction vehicles**
  - **124 personal injury accidents involving tow/ maintenance/construction vehicles**
  - **398 property damage accidents involving tow/ maintenance/construction vehicles**

2 persons were killed in tow/maintenance/construction vehicle accidents. Of this number 2 (100.0 percent) were not tow/ maintenance/construction vehicle occupants.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	16	3.3**
Improper passing	4	0.8
Left of center, not passing	4	0.8
Failure to yield	15	3.1
Wrong way, one-way road	0	--
Speed too fast	8	1.6
Drag racing	0	--
Improper turn	6	1.2
Improper lane change	6	1.2
Following too close	6	1.2
Improper or no signal	5	1.0
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	16	3.3
Illegal or improper parking	0	--
Failure to have control	18	3.7
Lights not on	0	--
Inattentive/distracted	14	2.9
Confused/inexperienced	5	1.0
Vision obscured	42	8.6
Oversized vehicle	4	0.8
Other	29	5.9

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	478	98.2
Drinking - impaired	3	0.6
Drinking - not impaired	1	0.2
Drugs	0	--
Physical defect	1	0.2
Fatigued	0	--
Apparently asleep	1	0.2
Ill	1	0.2
Under medication	0	--
Infirmities of age	0	--
Other	2	0.4
Total no. of drivers (condition stated)	487	
Condition not stated	2	
GRAND TOTAL	489	

Note: Total percent not equal to 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	470	98.7
Female	6	1.3
Total no. of drivers (sex known)	476	
Sex not stated	13	
GRAND TOTAL	489	

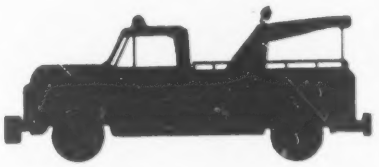
Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	2	0.4
18	3	0.6
19	4	0.9
20-24	58	12.4
25-34	149	31.9
35-44	101	21.6
45-54	81	17.3
55-64	63	13.5
65-74	5	1.1
75 & older	1	0.2
Total no. of drivers (age known)	467	
Age not stated	22	
GRAND TOTAL	489	

Note: In 1985 tow/maintenance/construction accidents, 68.4 percent of the tow/-maintenance/construction vehicle occupants who were killed or injured were not wearing safety belts, 26.3 percent were wearing safety belts, and safety belt use was unknown or unreported for 5.3 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	238	46.2
Turning left	47	9.1
Turning right	35	6.8
Backing	69	13.4
Stopped in traffic	26	5.0
Parked	42	8.2
Making U-turn	4	
Passing	5	
Changing lanes	8	
Merging	1	11.3
Parking	0	
Slowing-stopping	11	
Unattended moving vehicle	2	
Other	27	
Total no. of vehicles (action stated)	515	
Action not stated	18	
GRAND TOTAL	533	

Note: Total number of vehicles includes parked tow/maintenance/construction vehicles involved in accidents.



Vehicle Defect	Number of Vehicles	Percent
None	415	95.4
Brakes	5	
Lights	3	
Steering	3	
Wipers	0	4.6
Tires	1	
Trailer hitch	0	
Other	8	
Total no. of vehicles (defect stated)	435	
Defect not stated	98	
GRAND TOTAL	533	

The Environment

Light	Number of Accidents	Percent
Dawn	7	1.3
Daylight	423	81.2
Dusk	14	2.7
Darkness (road lighted)	45	8.6
Darkness (road unlighted)	32	6.1
Total no. of accidents (light stated)	521	
Light not stated	3	
GRAND TOTAL	524	

Note: Figures indicate number of accidents involving tow/maintenance/construction vehicles occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	309	59.0
Cloudy	145	27.7
Fog	1	0.2
Mist	10	1.9
Rain	16	3.1
Sleet/hail	8	1.5
Snow	44	8.4
Strong wind	13	2.5
Other	2	0.4

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	2	4.2
Underpass/bridge support	2	4.2
Building	3	6.3
Culvert	0	--
Curb	2	4.2
Ditch	13	27.1
Island/raised median	0	--
Embankment/retaining wall	1	2.1
Fence	5	10.4
Guardrail	1	2.1
Light pole	6	12.5
Sign post	4	8.3
Tree or shrubbery	1	2.1
Utility pole	2	4.2
Other pole or support	1	2.1
Mailbox	0	--
Impact attenuator	0	--
Other	5	10.4

9.0% of tow/maintenance/construction vehicles involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	383	73.1
Traffic signals	54	10.3
Stop sign	55	10.5
Yield sign	1	
No passing zone (marked)	3	
R.R. warning sign	1	6.1
R.R. automatic signal	1	
R.R. crossing gate	0	
Other	26	
Total no. of accidents (control stated)	524	
Control not stated	--	
GRAND TOTAL	524	

Iowa
Accidents Involving
Truck Tractors

In 1985 there were:

- **0 truck tractor occupants killed**
- **19 truck tractor occupants injured**
- **183 accidents involving truck tractors**
  - **0 fatal accidents involving truck tractors**
  - **54 personal injury accidents involving truck tractors**
  - **129 property damage accidents involving truck tractors**
- **0 persons were killed in truck tractor accidents**

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	5	3.0**
Improper passing	2	1.2
Left of center, not passing	2	1.2
Failure to yield	4	2.4
Wrong way, one-way road	0	--
Speed too fast	2	1.2
Drag racing	0	--
Improper turn	5	3.0
Improper lane change	5	3.0
Following too close	2	1.2
Improper or no signal	1	0.6
Disregarded R.R. signal	0	--
Disregarded warning signal	0	--
Reckless driving	0	--
Improper backing	1	0.6
Illegal or improper parking	0	--
Failure to have control	9	5.3
Lights not on	0	--
Inattentive/distracted	5	3.0
Confused/inexperienced	1	0.6
Vision obscured	8	4.7
Oversized vehicle	2	1.2
Other	8	4.7

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	161	97.6
Drinking - impaired	0	--
Drinking - not impaired	2	1.2
Drugs	0	--
Physical defect	0	--
Fatigued	0	--
Apparently asleep	2	1.2
Ill	0	--
Under medication	0	--
Infirmities of age	0	--
Other	0	--
Total no. of drivers (condition stated)	165	
Condition not stated	4	
GRAND TOTAL	169	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	166	100.0
Female	0	--
Total no. of drivers (sex known)	166	
Sex not stated	3	
GRAND TOTAL	169	

Driver Age	Number of Drivers	Percent
15 & younger	0	--
16	0	--
17	0	--
18	1	0.6
19	2	1.3
20-24	19	11.9
25-34	65	40.6
35-44	35	21.9
45-54	21	13.1
55-64	14	8.8
65-74	2	1.3
75 & older	1	0.6
Total no. of drivers (age known)	160	
Age not stated	9	
GRAND TOTAL	169	

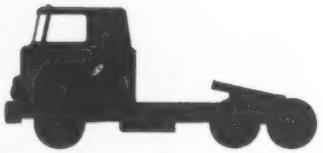
Note: In 1985 truck tractor accidents, 57.9 percent of the truck tractor occupants who were killed or injured were not wearing safety belts. 5.3 percent were wearing safety belts, and safety belt use was unknown or unreported for 36.8 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	92	52.0
Turning left	15	8.5
Turning right	16	9.0
Backing	5	2.8
Stopped in traffic	9	5.1
Parked	12	6.8
Making U-turn	1	
Passing	2	
Changing lanes	9	
Merging	1	15.8
Parking	1	
Slowing-stopping	9	
Unattended moving vehicle	2	
Other	3	
Total no. of vehicles (action stated)	177	
Action not stated	6	
GRAND TOTAL	183	

Note: Total number of vehicles includes parked truck tractors involved in accidents.

Vehicle Defect	Number of Vehicles	Percent
None	140	97.9
Brakes	1	
Lights	1	
Steering	0	
Wipers	0	2.1
Tires	1	
Trailer hitch	0	
Other	0	
Total no. of vehicles (defect stated)	143	
Defect not stated	40	
GRAND TOTAL	183	



The Environment

Light	Number of Accidents	Percent
Dawn	2	1.1
Daylight	137	75.3
Dusk	5	2.7
Darkness (road lighted)	20	11.0
Darkness (road unlighted)	18	9.9
Total no. of accidents (light stated)	182	
Light not stated	1	
GRAND TOTAL	183	

Note: Figures indicate number of accidents involving truck tractors occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	112	61.2
Cloudy	32	17.5
Fog	2	1.1
Mist	10	5.5
Rain	18	9.8
Sleet/hail	1	0.5
Snow	11	6.0
Strong wind	3	1.6
Other	0	--

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	5	15.2
Underpass/bridge support	0	--
Building	2	6.1
Culvert	0	--
Curb	0	--
Ditch	5	15.2
Island/raised median	0	--
Embankment/retaining wall	1	3.0
Fence	2	6.1
Guardrail	3	9.1
Light pole	5	15.2
Sign post	3	9.1
Tree or shrubbery	0	--
Utility pole	3	9.1
Other pole or support	2	6.1
Mailbox	0	--
Impact attenuator	0	--
Other	2	6.1

18.0% of truck tractors involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	126	68.9
Traffic signals	33	18.0
Stop sign	10	5.5
Yield sign	2	
No passing zone (marked)	4	
R.R. warning sign	1	7.7
R.R. automatic signal	0	
R.R. crossing gate	0	
Other	7	
Total no. of accidents (control stated)	183	
Control not stated	--	
GRAND TOTAL	183	

Iowa
Accidents Involving
Truck Tractors With Trailers

In 1985 there were:
3 occupants of truck tractors with trailers killed
321 occupants of truck tractors with trailers injured
2,361 accidents involving truck tractors with trailers
48 fatal accidents involving truck tractors with trailers
636 personal injury accidents involving truck tractors with trailers
1,677 property damage accidents involving truck tractors with trailers

57 persons were killed in truck tractor with trailers accidents. Of this number, 54 (94.7 percent) were not occupants of truck tractor with trailers.

The Driver

Driver Action/ Contributing Circumstances	Number of Drivers	Percent
Ran traffic control	38	1.6**
Improper passing	43	1.8
Left of center, not passing	18	0.8
Failure to yield	37	1.5
Wrong way, one-way road	1	*
Speed too fast	86	3.6
Drag racing	0	--
Improper turn	58	2.4
Improper lane change	57	2.4
Following too close	37	1.5
Improper or no signal	8	0.3
Disregarded R.R. signal	1	*
Disregarded warning signal	5	0.2
Reckless driving	1	*
Improper backing	37	1.5
Illegal or improper parking	9	0.4
Failure to have control	251	10.5
Lights not on	2	0.1
Inattentive/distracted	66	2.8
Confused/inexperienced	11	0.5
Vision obscured	115	4.8
Oversized vehicle	20	0.8
Other	114	4.8

Note: From 0-2 actions/circumstances are listed for each driver involved in an accident.

*Less than one-tenth of one percent.

**In 1985, fail to yield from stop sign included in ran traffic control. Previously included with fail to yield.

Driver Condition	Number of Drivers	Percent
Apparently normal	2,277	97.0
Drinking - impaired	12	0.5
Drinking - not impaired	7	0.3
Drugs	2	0.1
Physical defect	0	--
Fatigued	3	0.1
Apparently asleep	37	1.6
Ill	1	*
Under medication	2	0.1
Infirmities of age	1	*
Other	5	0.2
Total no. of drivers (condition stated)	2,347	
Condition not stated	47	
GRAND TOTAL	2,394	

Note: Total percent may not equal 100 due to rounding.

Driver Sex	Number of Drivers	Percent
Male	2,325	99.1
Female	22	0.9
Total no. of drivers (sex known)	2,347	
Sex not stated	47	
GRAND TOTAL	2,394	

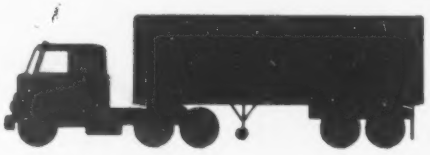
Driver Age	Number of Drivers	Percent
15 & younger	1	*
16	2	0.1
17	3	0.1
18	1	*
19	13	0.6
20-24	247	10.8
25-34	838	36.6
35-44	559	24.4
45-54	412	18.0
55-64	195	8.5
65-74	15	0.7
75 & older	5	0.2
Total no. of drivers (age known)	2,291	
Age not stated	103	
GRAND TOTAL	2,394	

Note: In 1985 truck tractor with trailer accidents, 60.8 percent of the truck tractor with trailer occupants who were killed or injured were not wearing safety belts. 12.0 percent were wearing safety belts, and safety belt use was unknown or unreported for 27.2 percent of those killed or injured.

The Machine

Vehicle Action	Number of Vehicles	Percent
Going straight	1,482	62.5
Turning left	187	7.9
Turning right	232	9.8
Backing	75	3.2
Stopped in traffic	42	1.8
Parked	47	2.0
Making U-turn	2	12.9
Passing	89	
Changing lanes	81	
Merging	12	
Parking	5	
Slowing-stopping	73	
Unattended moving vehicle	5	
Other	40	
Total no. of vehicles (action stated)	2,372	
Action not stated	74	
GRAND TOTAL	2,446	

Note: Total number of vehicles includes parked truck tractors with trailers involved in accidents.



Vehicle Defect	Number of Vehicles	Percent
None	1,856	96.3
Brakes	25	1.3
Lights	4	
Steering	0	
Wipers	0	2.4
Tires	15	
Trailer hitch	3	
Other	25	
Total no. of vehicles (defect stated)	1,928	
Defect not stated	518	
GRAND TOTAL	2,446	

The Environment

Light	Number of Accidents	Percent
Dawn	32	1.4
Daylight	1,632	69.3
Dusk	61	2.6
Darkness (road lighted)	203	8.6
Darkness (road unlighted)	426	18.1
Total no. of accidents (light stated)	2,354	
Light not stated	7	
GRAND TOTAL	2,361	

Note: Figures indicate number of accidents involving truck tractors with trailers occurring under the conditions indicated.

Weather	Number of Accidents	Percent
Clear	1,281	54.3
Cloudy	662	28.0
Fog	25	1.1
Mist	88	3.7
Rain	165	7.0
Sleet/hail	35	1.5
Snow	182	7.7
Strong wind	81	3.4
Other	10	0.4

Note: Some accident reports listed more than one type of weather condition. The percentage listed for each weather condition is based on the total number of accidents for this type of vehicle.

Total percent may not equal 100 due to rounding.

Fixed Object Struck	Vehicles Striking Object	Percent
Bridge/overpass	37	7.1
Underpass/bridge support	7	1.3
Building	11	2.1
Culvert	11	2.1
Curb	4	0.8
Ditch	163	31.3
Island/raised median	13	2.5
Embankment/retaining wall	11	2.1
Fence	24	4.6
Guardrail	42	8.1
Light pole	51	9.8
Sign post	34	6.5
Tree or shrubbery	11	2.1
Utility pole	24	4.6
Other pole or support	15	2.9
Mailbox	5	1.0
Impact attenuator	1	0.2
Other	56	10.8

21.3% of truck tractors with trailers involved in accidents struck fixed objects.

Note: Impact attenuators are crash-cushioning devices.

Traffic Controls	Number of Accidents	Percent
No controls	1,715	72.8
Traffic signals	322	13.7
Stop sign	150	6.4
Yield sign	11	
No passing zone (marked)	37	
R.R. warning sign	6	7.1
R.R. automatic signal	5	
R.R. crossing gate	2	
Other	107	
Total no. of accidents (control stated)	2,355	
Control not stated	6	
GRAND TOTAL	2,361	

Occupant Restraint Usage

Passenger Car

	Killed		Major Injury		Minor or Possible Injury		Injured/ Extent Unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Used	14	4.8	124	6.0	1,142	7.0	38	4.6	1,318	6.8
Not Used	221	75.4	1,419	68.5	10,286	63.5	299	35.8	12,225	63.0
Unknown	58	19.8	529	25.5	4,788	29.5	498	59.6	5,873	30.2
Total	293		2,072		16.216		835		19,416	

Panel/Van/Pickup

	Killed		Major Injury		Minor or Possible Injury		Injured/ Extent Unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Used	1	1.6	14	3.8	133	5.2	6	5.9	154	5.0
Not Used	44	71.0	268	73.0	1,752	68.8	50	49.0	2,114	68.7
Unknown	17	27.4	85	23.2	662	26.0	46	45.1	810	26.3
Total	62		367		2,547		102		3,078	

Straight Truck/Truck Tractors/Semis

	Killed		Major Injury		Minor or Possible Injury		Injured/ Extent Unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Used	0	--	7	9.3	42	10.2	1	9.0	50	9.9
Not Used	5	71.4	44	58.7	265	64.3	5	45.5	319	63.2
Unknown	2	28.6	24	32.0	105	25.5	5	45.5	136	26.9
Total	7		75		412		11		505	

Car or Pickup with Trailer or Camper

	Killed		Major Injury		Minor or Possible Injury		Injured/ Extent Unknown		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
Used	0	--	1	7.7	8	7.8	0	--	9	7.0
Not Used	5	100.0	11	84.6	72	69.9	6	85.7	94	73.4
Unknown	0	--	1	7.7	23	22.3	1	14.3	25	19.6
Total	5		13		103		7		128	

Restraint usage for uninjured occupants is not available.

Injured Fatalities